

CABLE & WIRE MANAGEMENT PRODUCTS

LACING CORD

Twisted nylon cord manufactured from high-tenacity, continuous filament yarn. Ideal for use in bundling military or commercial wire harnesses. Nylon has excellent tensile strength and resists acids, abrasion, flame and fungus. Temperature range -55°C to +121°C. Mfg. part nos. with **B** suffix are black, **W** suffix are natural (white). Finish **B** is waxed. **Sold in spools** sizes indicated in table below.

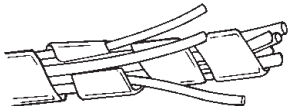


MILITARY-GRADE NYLON LACING CORD — MIL-T-713EB TYPE P

Mfg. Part No.	MIL. Spec. Class	MIL. Spec. Finish	Tensile Strength (lbs.)	Nom. Dia. (In.)	Spool Size (Yds.)	Stock No.	Price per Spool
● 807013W	1	B	70	0.039	500	19M8535	75.53
● 807013B	1	B	70	0.039	500	19M8534	87.76
● 804814W	2	B	48	0.029	750	19M8527	75.46
● 803215W	3	B	32	0.032	1100	37F2223	75.53
● 803215B	3	B	32	0.032	1100	37F2224	87.76

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SPIRAL WRAP TUBING



SW Series spiral wrap tubing is designed to provide a professional finish to harness installations by eliminating exposed wire and cable. All materials maintain flexibility when bent around sharp edges or corners. Unlimited breakouts and tap off connections may be made through spiral openings. Polyethylene operating temperature: -60°C to +88°C. Nylon operating temperature: -40°C to +121°C. Teflon® operating temperature: -268° to +260°C.

Mfg. Part No.	Description	Dia. (in.)	Spool Size (ft.)	Stock No.	Price per Spool
● SW1 NAO08	Clear Polyethylene	1/8	25	28B6297	13.61
● SW 2 25CLR	Clear Polyethylene	1/4	25	04F8683	9.17
● SW 5 25CLR	Clear Polyethylene	3/4	25	86K4561	25.87
● SW 6 25CLR	Clear Polyethylene	1	25	86K4562	60.41
● SW11 WH008	Fire-Resistant Polyethylene	1/4	25	05F1610	23.74
● SW12 WH008	Fire-Resistant Polyethylene	3/8	25	05F1612	41.60
● SW13 WH008	Fire-Resistant Polyethylene	1/2	25	06M3857	50.86
● SW14-3/4-25WHT	Fire-Resistant Polyethylene	3/4	25	86K8706	87.63
● SW11 WH005	Fire-Resistant Polyethylene	1/4	100	06M3855	81.23
● SW12 WH005	Fire-Resistant Polyethylene	3/8	100	05F1611	144.18
● SW13 WH005	Fire-Resistant Polyethylene	1/2	100	06M3856	176.12
● SW21-1/4-100 NAT	Fire-Resistant Polyethylene	3/4	100	85K9576	82.42
● SW20 NAO08	Nylon	1/8	25	05F1616	13.80
● SW22 NAO08	Nylon	3/8	25	89K8011	53.37
● SW23 NAO08	Nylon	1/2	25	89K8013	68.81
● SW44-3/4-25	Nylon	3/4	25	85K9578	35.23
● SW25 NAO08	Nylon	1	25	86K4564	207.58
● SW22 NAO05	Nylon	3/8	100	86K4563	184.42
● SW23 NAO05	Nylon	1/2	100	89K8012	237.93
● SW30 NAO08	Teflon	1/8	25	05F1625	124.15
● SW32-3/8-25NAT	Teflon	3/8	25	86K8707	351.07
● SW41-1/4-25BLK	UV-Resistant Black Polyethylene	1/4	25	86K8708	10.81
● SW42 BK008	UV-Resistant Black Polyethylene	3/8	100	86K8710	15.44
● SW45 BK008	UV-Resistant Black Polyethylene	1	25	86K4565	78.56
● SW41 BK005	UV-Resistant Black Polyethylene	1/4	100	05F1630	37.25

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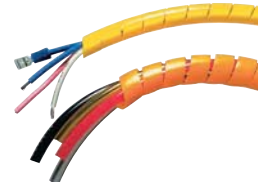
Designing an embedded control system?
See our huge selection of MCUs, MPUs & DSPs
in this catalog and online.

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SPIRAL CABLE WRAPPING



Reusable spiral wrapping for protecting and organizing multiple cable. Each package includes an installation tool. Allows breakouts of single/multiple wires and rerouting of replacement wires. Color-coded wire bundles. Organizes wires for communication and computer equipment. UL recognized. **Sold in spools** of varying lengths indicated in table below.



POLYETHYLENE

Mfg. Part No.	Bundle	Spool Size (ft.)	Stock No.	Price per Spool
● T12F-C	1/16"-1/2"	100	84F1838	53.05
● T25F-C	3/16"-2"	100	78F548	69.52
● T38F-C	3/16"-3"	100	84F1841	125.43
● T50F-C	3/8"-4"	100	84F599	189.50
● T62F-C	1/2"-4 1/2"	100	84F1846	206.90
● T75F-C	5/8"-5"	100	84F1847	230.79
● T100F-C	7/8"-6"	100	84F1848	265.54

WEATHER-RESISTANT POLYETHYLENE (BLACK)

● T12F-C0	1/16"-1/2"	100	84F1839	63.74
● T25F-C0	3/16"-2"	100	78F498	91.78
● T38F-C0	3/16"-3"	100	84F1842	156.85
● T50F-C0	3/8"-4"	100	84F1844	236.89
● T75F-C0	5/8"-5"	100	84F2047	288.57
● T100F-C0	7/8"-6"	100	84F1849	331.18

FLAME-RETARDANT POLYETHYLENE (UL V0 -- WHITE)

● T12FR-C	1/16"-1/2"	100	96F4101	74.59
● T25FR-C	3/16"-2"	100	96F4102	119.00
● T62FR-C	1/2"-4 1/2"	100	96F4105	321.93

NYLON

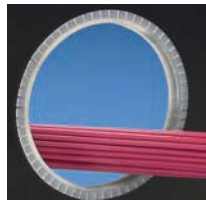
● T25N-C	3/16"-2"	100	78F546	168.29
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TEFLON®

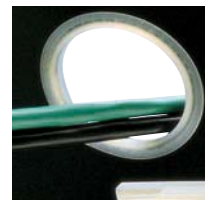
● T12T-C	1/16"-1/2"	100	84F1840	552.81
● T25T-L	3/16"-2"	50	78F499	452.16
● T50T-Q	3/8"-4"	25	94F2880	486.29

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GROMMET EDGING



Slotted Wall (GEE)



Solid Wall (GES)



Slotted Wall (GE)

Grommet edging used where abrasion is a primary concern. **GEE** series is for irregularly shaped and round panel holes. **GES** series is for solid wall product on straight edges. **Sold in 100' rolls or strips of quantities indicated in table below.**

NATURAL COLOR CONTINUOUS ROLL POLYETHYLENE SLOTTED WALL AND SOLID WALL

Mfg. Part No.	For Panel Thickness	Roll Size (ft.)	Slotted Wall		Solid Wall		
			Stock No.	Price per Roll	Mfg. Part No.	Stock No.	Price per Roll
● GEE62F-C	0.036-0.062"	100	89F1909	48.98	● GES62F-C	84F1830	37.35
● GEE62F-C0†	0.036-0.062"	100	57J1814	55.45	● GES62F-C0†	65H9593	41.07
● GEE99F-C	0.062-0.099"	100	89F1910	56.02	...	...	...
● GEE144F-C	0.099-0.144"	100	89F1897	63.31	● GES144F-C	84F1832	48.06

NATURAL COLOR UL V0 FLAME RETARDANT POLYETHYLENE SLOTTED WALL AND SOLID WALL

Mfg. Part No.	For Panel Thickness	Roll Size (ft.)	Stock No.	Price per Roll	Mfg. Part No.	Stock No.	Price per Roll
● GEE62FR-C	0.036-0.062"	100	96F4111	66.08	...	...	...
● GEE99FR-C	0.062-0.099"	100	96F4112	86.61	...	...	...
● GEE144FR-C	0.099-0.144"	100	96F4113	94.95	● GES144FR-C	96F4117	72.14

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CABLE & WIRE MANAGEMENT PRODUCTS

GROMMET EDGING (CONT.)

NATURAL COLOR 12-3/4" STRIPS FOR FOUR HOLES, NYLON SLOTTED WALL

Mfg. Part No.	For Panel Thickness	Roll Size (ft.)	Slotted Wall		Solid Wall		
			Stock No.	Price per Roll	Mfg. Part No.	Stock No.	Price per Roll
● GE85-C*	0.052-0.085"	100	89F1899	124.80	...	...	...
● GE128-C*	0.085-0.128"	100	89F1900	136.86	...	...	...
● GE192-L*	0.128-0.192"	50	89F1901	89.96	...	...	...
● GE255-L*	0.192-0.255"	50	89F1902	141.56	...	...	...

NATURAL COLOR ADHESIVE-LINED CONTINUOUS ROLL POLYETHYLENE SLOTTED AND SOLID WALL

Mfg. Part No.	For Panel Thickness	Roll Size (ft.)	Slotted Wall		Solid Wall		
			Stock No.	Price per Roll	Mfg. Part No.	Stock No.	Price per Roll
● GEE62F-A-C	0.036-0.062"	100	91F7323	61.70	● GES62F-A-C	91F7326	44.42
● GEE62F-A-C0†	0.036-0.062"	100	83F7233	69.94	● GES62F-A-C0†	83F7237	48.87
● GEE99F-A-C	0.062-0.099"	100	91F7324	70.61	● GES99F-A-C	91F7327	51.05
● GEE99F-A-C0†	0.062-0.099"	100	83F7234	77.34	● GES99F-A-C0†	83F7238	56.86
● GEE144F-A-C	0.099-0.144"	100	91F7325	79.80	● GES144F-A-C	91F7328	57.31
● GEE144F-A-C0†	0.099-0.144"	100	83F7232	87.40	● GES144F-A-C0	83F7236	63.29

*Military Part No. MS21266-2N thru -5N; †Black (6458)

SLIT CORRUGATED LOOM TUBING



Available in polyethylene or heat stabilized nylon. Tubing is slit and can easily be slipped around an existing wire bundle to provide abrasion protection. Reduces the risk of damage to wiring circuits. Color: black. Sold in spools of varying lengths indicated in table below.



POLYETHYLENE

Mfg. Part No.	Inside Dia. (in.)	Spool Size (ft.)	Stock No.	Price per Spool
● CLT25F-C20	0.277	100	96F4118	48.87
● CLT35F-C20	0.350	100	96F4119	55.80
● CLT38F-C20	0.415	100	96F4120	57.71
● CLT50F-C20	0.505	100	96F4121	61.20
● CLT62F-C20	0.660	100	96F4122	71.94
● CLT75F-C20	0.760	100	96F4123	87.95
● CLT100F-C20	0.915	100	96F4124	113.51
● CLT150F-D20	1.485 ±0.085	500	83F7266	436.16

HEAT-STABILIZED NYLON

● CLT25N-C630	0.265	100	96F4125	68.33
● CLT35N-C630	0.350	100	96F4126	69.71
● CLT38N-C630	0.415	100	96F4127	73.75
● CLT50N-C630	0.505	100	96F4128	90.31
● CLT62N-C630	0.665	100	96F4129	109.57
● CLT75N-C630	0.760	100	96F4130	144.66
● CLT100N-C630	1.090	100	96F4131	227.06
● CLT125N-L630	1.290	50	83F7265	126.86
● CLT150N-D630	1.550	500	83F7267	510.62

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CORRUGATED LOOM TUBING FITTINGS



- Virtually eliminates taping
- Easy to assemble
- Locking latch design
- Durable polyethylene shell
- Works with most popular sizes of corrugated loom tubing
- Sold in packages of 25



Mfg. Part No.	Size (in.)		Color	Material	Stock No.	Price per Pkg.
	Branch Dia.	Trunk Dia.				
● CF382538F-Q	0.38 x 0.25		Black	Polyethylene	33C4109	24.69
● CF502550F-Q	0.50 x 0.25		Black	Polyethylene	33C4111	25.52
● CF503850F-Q	0.50 x 0.38		Black	Polyethylene	33C4112	26.43
● CF752575F-Q	0.75 x 0.25		Black	Polyethylene	33C4113	28.19
● CF753875F-Q	0.75 x 0.38		Black	Polyethylene	33C4114	28.73

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FLEXIBLE SLIT-LOOM TUBING



Slit-loom tubing is the perfect wire harness protective covering. Features an easy-opening seam for quick wire insertion and removal. Offers excellent resistance to fluids and abrasion while providing a uniform, tailored appearance. Made of durable polyethylene or nylon. Bulk quantities, other colors and sizes are available; go online or call. Sold in spool sizes indicated in table below.



BLACK POLYETHYLENE — RATED -40°F TO 200°F

Mfg. Part No.	Nom. I.D. (in.)	Spool of (ft.)	Stock No.	Price per Spool
● 1435	0.25	100	92N3675	37.52
● 1436	0.375	100	92N3676	37.66
● 1437	0.5	100	92N3677	44.82
● 1438	0.625	50	92N3678	38.35
● 1439	0.75	50	92N3679	46.16
● 1440	1	50	92N3680	64.08

BLACK HEAT-STABILIZED NYLON — RATED -40°F TO -300°F

● 1441	0.25	100	92N3681	38.35
● 1442	0.375	100	92N3682	42.97
● 1443	0.5	100	92N3683	56.83
● 1444	0.625	50	92N3684	32.81
● 1445	0.75	50	92N3685	42.51
● 1446	1	50	92N3686	48.98

GRAY FLAME-RETARDANT POLYETHYLENE — RATED -40°F TO 200°F

1429	0.25	100	92N3669	37.52
1430	0.375	100	92N3670	47.13
1431	0.5	100	92N3671	60.99
1432	0.625	50	92N3672	38.35
1433	0.75	50	92N3673	56.09
1434	1	50	92N3674	77.90

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CONTINUOUS GROMMET EDGING



Solid grommet edging is designed for straight and gently curving runs. Flexible to fit holes of any size or shape. Color: natural. Sold in rolls of 100'.



Grommet Edging

Mfg. Part No.	Panel Thickness	Material	Stock No.	Price Each
				1-4
● CGP-1	Up to 0.036"	Polyethylene	23N3658	21.35
● CGP-2	0.037-0.071"	Polyethylene	23N3659	23.44
● CGP-3	0.106-0.164"	Polyethylene	23N3660	36.70
● CGP-4	0.165-0.187"	Polyethylene	23N3661	37.59
● CGP-5	0.188-0.250"	Polyethylene	23N3662	48.45
● 2577	Up to 0.036"	Nylon	92N4792	41.29
● 2578	0.037-0.071"	Nylon	92N4793	47.56
● 2579	0.072-0.105"	Nylon	92N4794	54.40

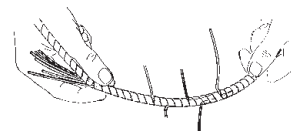
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PROTECTIVE HARNESS WRAP



- Easy to Apply and Remove
- Reusable and Flexible
- Strong and Versatile
- Retains Elasticity

For temporary or permanent wire harness application where abrasion protection is required. Useful for harnesses which carry wiring around sharp corners. Leads can be brought out at any point to make a "tailor-made," tight-fitting harness. Color: natural. Sold in coils of 100'.



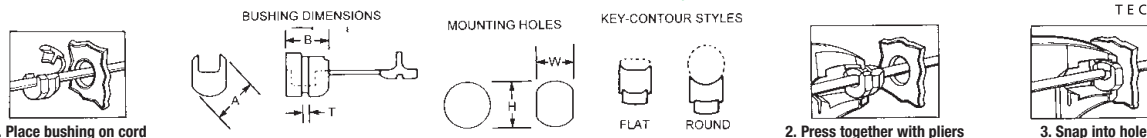
Harness Wrap

Mfg. Part No.	O.D.	Bundle Range	Material	Stock No.	Per 100' Coil
					Each
● HWN-02	1/8"	1/16 - 1/2"	Nylon	23N3648	48.55
● HWN-03	3/16"	1/8 - 1"	Nylon	23N3649	72.39
● HWN-04	1/4"	3/16 - 1 1/2"	Nylon	23N3650	32.94
● HWN-06	3/8"	5/16 - 2"	Nylon	23N3651	199.30
● HWN-08	1/2"	3/4 - 4"	Nylon	23N3652	301.86
● HWP-02-P	1/8"	1/16 - 1/2"	Polyethylene	50N4758	33.84
● HWP-03-P	3/16"	1/8 - 1"	Polyethylene	50N4759	38.51
● HWP-04-P	1/4"	3/16 - 1 1/2"	Polyethylene	50N4760	41.57
● HWP-06-P	3/8"	5/16 - 2"	Polyethylene	50N4761	53.67
● HWP-08-P	1/2"	3/4 - 4"	Polyethylene	50N4762	56.23

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CABLE & WIRE MANAGEMENT PRODUCTS • WIRE JOINTS & CONNECTORS

VOLTREX™ BRAND CORD STRAIN RELIEF BUSHINGS

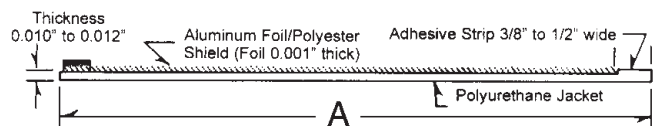


One-piece nylon-construction bushings withstand temperatures to 221°F. Easily installed with specially designed pincers or ordinary pliers. Eliminates strain that tears cords loose from contacts or connections. Color: black. UL recognized, CSA certified. Made in the U.S.A. **Sold in packages of 100.**

Mfg. Part No.	Cords Accommodated		Approx. Wire Size	Max. Thick. Dim. T	Max. Panel Dia. H	Dim. W	Key Contour	Dimensions		Stock No.	Price per Pkg. 1-9
	Wires	Cord Type						A	B		
● SRR-05	2 #18	SP-1, SPT-1	0.156 x 0.187"	0.062"	0.375"	0.330"	Round	0.391"	0.410"	46N7803	7.14
● SRF-10	2 #18 2 #18	SP-1, SPT-1, XT	0.12 x 0.22" 0.09 x 0.18"	0.062"	0.437"	0.390"	Flat	0.484"	0.410"	46N7804	8.34
● SRF-15	2 #18 3 #18	SPT-2, HPN SPT-1	0.12 x 0.30"	0.062"	0.500"	0.465"	Flat	0.578"	0.406"	46N7801	9.64
● SRF-30	2 #18 3 #18 2 #16	SPT-2, SPT-2, HPN SPT-1 SP-2, SPT-2, HPN	0.12 x 0.30" 0.15 x 0.28" 0.16 x 0.30"	0.100"	0.500"	0.465"	Flat	0.578"	0.406"	46N7805	9.64
● SRF-40	3 #18 2 #16 3 #16	SPT-2 SPT-2 HPN	0.12 x 0.30" 0.16 x 0.30" 0.16 x 0.37"	0.125"	0.562"	0.530"	Flat	0.625"	0.609"	46N7806	12.98
● SRF-50	2 #18 3 #18 2 #16 3 #16 3 #16	SPT-3 SPT-3 SPT-3 SPT-1 SPT-3	0.19 x 0.35" 0.19 x 0.39" 0.20 x 0.37" 0.12 x 0.30" 0.16 x 0.41"	0.125"	0.730"	0.560"	Flat	0.750"	0.670"	46N7807	13.91
● SRR-10	2 #18 2 #18 3 #18 2 #16	HPD SV, SVT SV, SVT HPD	0.270" 0.250" 0.250" 0.290"	0.100" 0.100" 0.100" 0.100"	0.500" 0.500" 0.515" 0.515"	0.450"	Round	0.578"	0.438"	46N7808	9.64
● SRR-20	2 #18 3 #18 2 #16 3 #16	SJ, SJT, SJO SJ, SJT, SJO SJT SJT	0.300" 0.300" 0.325" 0.325"	0.125"	0.625"	0.550"	Round	0.703"	0.580"	46N7809	14.02
● SRRRA-60*	2 #18 3 #18	SV, SVT SV, SVT	0.250" 0.265"	0.100"	0.500"	0.450"	Round	0.560"	0.687"	46N7802	13.29

*Right-angle (6412)

WRAP-A-SHIELD TUBING



Wraparound EMI/RFI shielding in sizes that allow coverage up to 2" round and 3" flat. Ideal shielding for longer lengths, diameters from 1/4" to 3", and for flat cable applications. Allows stacking of flat cable and shielding as a multilayer package. Adhesive strip closure allows for a custom fit. Attachable braid strap provides for soldering of drain wire. Polyurethane jacket with aluminum foil/polyester shield. Simply cut to length needed, attach drain wire, wrap around cable, and close the adhesive strip. **Sold in 10' lengths.**

Mfg. Part No.	Dim. to Cover		Dim. A	Stock No.	Price Each 1-9
	Max. Round	Max. Flat			
● SPC5092	1/2"	0.78"	2 9/16"	50N167	133.11
● SPC5093	1"	1.55"	4 1/8"	50N168	159.83
● SPC5094	2"	3.14"	7 3/8"	50N169	204.63

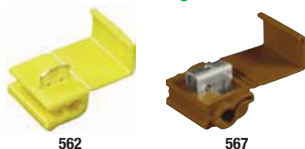
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SCOTCHLOK™ IDC CONNECTORS



Features:

- No wire stripping or twisting
- Crimp with slip-joint pliers
- For copper conductors only
- Flame retardant



Mfg. Part No.	Color	AWG	Stock No.	Pkg. of	Price Each 1-4
● 562 (BOXED)	Yellow	12-10	90F6223	100	47.17
● 564-BULK*	White	18-14	90F6224	1	0.17
● 567 (BOXED)	Brown	18-14	90F6225	100	64.79
● 314-BOX	Blue	22-14	90F2058	50	59.81
● 316-IR*	Black	22-16	29C2269	1	1.15
● 557-BOX	Red	22-16	44F3257	100	42.36
● 558-BOX	Red	22-16	44F3258	100	44.22

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SCOTCHLOK™ IDC CONNECTORS (CONT.)

Mfg. Part No.	Color	AWG	Stock No.	Pkg. of	Price Each 1-4
● 560 (BOXED)	Blue	18-16	95C2802	100	26.88
● 560B (BOXED)	Blue	18-16	46F4357	100	25.89

* Not UL listed, CSA certified or flame retardant (5497)

SCOTCHLOK™ SELF-STRIPPING T-TAP CONNECTORS



- Mates with 0.250" male tab connectors, order separately; go online or call
- Sold in packages of 50.



Mfg. Part No.	Color	AWG	Stock No.	Price per Pkg.	
				1-24	25-49
● 951X	Red	22-18	44F3227	17.29	15.25
● 952X	Blue	18-14	44F3228	17.29	15.25
● 953X	Yellow	12	44F3229	18.57	16.38

(5494)

Designing a power supply?

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WIRE JOINTS & CONNECTORS

SCOTCHLOK™ CONNECTORS



Insulation displacement connectors for communications may be used on standard polyethylene wire insulation and polypropylene insulation of filled cable. Limited only to wire range and port size; wire sizes may be intermixed. Sealed moisture-resistant construction, full wire range capability, increased port sizes. **Sold in package quantities listed below.**

BUTT SPlicing

Mfg. Part No.	No. of Wires	Max. Insul. OD	Cable Type, AWG		Pkg. of	Stock No.	Price Each
			PIC-Unfilled	PIC-Filled			
UAL-PACK	2,3	0.082**	17-20 Al; 19-24 Cu	19-24	100	00Z1003	76.13
UAL(BX)	2,3	0.082"	17-20 Al; 19-24 Cu	19-24	100	98M0058	68.37
● UR-BOX	2,3	0.060"	19-26	19-26	100	13H6655	25.29
● UR2 (BOX)	2,3	0.082**	19-26	19-26	100	34C8007	22.80
● UR2 (BOX)	2,3	0.082"	19-26	19-26	100	34C8007	22.80
UB2A-PK25	2,3	0.082"	19-26	19-26	25	98M0063	6.12
UB2A-PK25	2	0.082"	19-26	19-26	25	98M0059	6.98
UG(BX)	2	0.066" TAP; 0.042" RUN	19-26 TAP; 22-26 RUN	19-26 TAP; 22-26 RUN	100	98M0060	33.39
● UY-BULK	2	0.060"	22-26	22-26	1	00Z1489	0.22
UY(BX)	2	0.060"	22-26	22-26	100	98M0064	22.80
● UY2-BOX	2	0.082**	19-26	19-26	1	97B9567	0.19
UY2-PK25	2	0.082**	19-26	19-26	25	98M0066	5.40

IN-LINE SPlicing

U1R	2	0.125"	19-24	19-24	1	11N6412	3.52
-----	---	--------	-------	-------	---	---------	------

*Center port: 0.076" (1.93)
(6407)

WIRE-NUT® WIRE CONNECTORS



Wire-Nut®

Wing-Nut®

Twister® Al/Cu

Wire-Nut® twist-on, square spring pressure-type wire connectors grab and secure wires quickly and consistently. Wing-Nut® connectors feature an extra tight grip and larger wire range combinations. Wings assist in increasing torque levels during termination. Twister® Al/Cu connector features an anti-oxidant gel included inside of the connector for splicing aluminum to copper wires for new applications or retrofits. All models are UL listed, CSA certified. **Sold in package quantities listed below.**

WIRE-NUT® TWIST-ON WIRE CONNECTORS

Mfg. Part No.	Model	Color	Pkg. of	Stock No.	Price per Pkg.
					1-4
30-071	71B	Gray	100	35F2450	9.70
30-171	71B	Gray	1000	35F2451	72.50
30-072	72B	Blue	100	59F1111	10.89
30-172	72B	Blue	1000	59F1112	83.84
30-073	73B	Orange	100	35F2452	12.61
30-173	73B	Orange	1000	35F2453	99.17
30-074	74B	Yellow	100	35F2454	14.48
30-174	74B	Yellow	1000	35F2455	111.35
30-076	76B	Red	100	35F2456	21.50
WING-NUT® DEEP-SKIRT WIRE CONNECTORS					
30-451	451	Yellow	100	90F2437	18.14
30-452	452	Red	100	90F2438	24.01
30-552	452	Red	1000	90F2396	151.04
● 30-454	454	Blue	250	88K0182	140.11

➔ CONTINUED ➔

WIRE-NUT® WIRE CONNECTORS (CONT.)

TWISTER® AL/CU WIRE CONNECTORS

Mfg. Part No.	Description	Stock No.	Price per Card
			1-4
30-165	Al/Cu Wire Connectors — Sold per Card of 25	52F9083	109.32

(5601)

CLEAR NYLON-INSULATED WIRE JOINTS



UL listed, CSA certified. **Sold in package quantities listed in table below.**



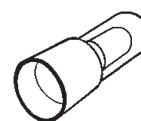
Mfg. Part No.	AWG		Lgth. (in.)	Pkg. of	Stock No.	Price per Pkg.			
	Max.	Min.				1-4	5-9	10-24	25-49
● JN218-216-C	(2) #16	(2) #22	0.78	100	89F1425	47.93	45.84	41.86	39.14
● JN218-216-M	(2) #16	(2) #22	0.78	1000	89F1427	248.13	231.02	215.62	200.21
● JN418-212-C	(2) #12	(4) #18	0.93	100	89F1426	74.13	70.89	64.74	60.54

(5506)

NYLON WIRE JOINTS

Thomas & Betts

• UL listed



Mfg. Part No.	AWG		Pkg. of	Stock No.	Price per Pkg.	
	Min.	Max.			1-4	5-9
● TN18-WJ	4#22	3#18	50	48F3154	7.22	5.77
● TN14-WJ	2#16	2#14	50	48F3155	9.64	7.71
● TN10-WJ	2#12	1#10	25	48F3156	7.25	5.85

(40174)

773 SERIES WALL-NUT™ AND 222 SERIES LEVER-NUT™ WIRE CONNECTORS



773 Series:

- Replacement for twist-type wire connectors
- Insert wire instead of twisting
- Built-in test points
- UL94V-0 (rated 105° C)

222 Series:

- Lever-operated Cage Clamp®
- Accepts 28-12 AWG solid & stranded wire
- Compact size
- Built-in test points
- Housing: Polyamide 6.6



773 Series



222 Series

773 SERIES STANDARD WALL-NUTS™

Mfg. Part No.	Poles	AWG	Rating	Stock No.	Price Each	
					1-24	25-99
● 773-162	2	18-12	600V/20A	28K2290	0.11	0.11
● 773-164	4	18-12	600V/20A	28K2291	0.13	0.12
● 773-514*	4	18-12	600V/20A	96M8988	0.25	0.23
● 773-166	6	18-12	600V/20A	28K2292	0.18	0.16
● 773-168	8	18-12	600V/20A	28K2293	0.21	0.20
● 773-173	3	14-10	600V/30A	28K2294	0.35	0.32

222 SERIES LEVER-NUTS™ WITH ORANGE LEVERS

Mfg. Part No.	Poles	AWG	Rating	Stock No.	Price Each	
					1-24	25-99
● 222-412	2	28-12	600V/20A	45M7284	0.30	0.28
● 222-413	3	28-12	600V/20A	28K2061	0.37	0.35
● 222-415	5	28-12	600V/20A	28K2062	0.60	0.55

(84721)

Designing a signal acquisition system?

See our huge selection of analog & mixed signal semiconductors in this catalog and online.

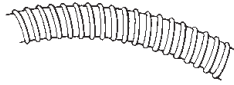
(148858)

ELECTRICAL SLEEVING

FLEXIBLE NONMETALLIC ELECTRICAL TUBING



- Smooth inside to facilitate easy wire pulling and installation
- UL recognized, CSA certified (except for 1/4 size)

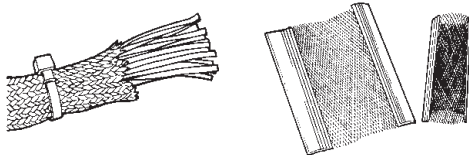


This flexible, nonmetallic electrical tubing is UL rated: 70°C; CSA rated: -18°C to 60°C. Use with Alpha's black, flexible, nonmetallic electrical connectors to provide liquid-tight integrity; order separately on page 1135. Color: black. **Sold in 100' spools**

Mfg. Part No.	Maximum I.D.	Minimum O.D.	Stock No.	Price per Spool
● FNT1/4 BK005	0.405" (10.29)	0.560" (14.22)	93K7560	125.48
● FNT3/8 BK005	0.504" (12.80)	0.690" (17.53)	03F7391	130.44
● FNT1/2 BK005	0.642" (16.31)	0.820" (20.83)	03F7393	182.02
● FIT-NT-3/4 BK005	0.840" (21.34)	1.030" (26.16)	86K1483	197.29
● FIT-NT-1 BK005	1.066" (27.08)	1.290" (32.77)	85K9571	294.23

(6364)

EXPANDABLE POLYESTER WEBBED SLEEVING



ZIP-GRP series expandable webbing offers superb flexibility and high tensile strength, while providing added protection against flame, chemicals, and abrasion. With its velcro-type enclosure wires, cable assemblies and wire harnesses are always accessible. Great for cable management. Temperature rating: -75°C to +125°C. Passes UL VW-1 Flame Test. Color: black. **Sold in spools of 25'.**

Mfg. Part No.	Supplied Diameter Min. (inches)	Expanded Diameter Max. (inches)	Nominal Flat Width (inches)	25' Spool	
				Stock No.	Price per Spool
● ZGRP7/8 BK008	0.750	1.000	2.500	50F7692	213.75
● ZGRP11/2 BK008	1.000	2.000	3.750	28B6471	232.07
● ZGRP2IN BK008	1.500	2.125	5.000	50F7694	259.35

(6406)

SILICONE RUBBER-COATED FIBERGLASS SLEEVING



Closely woven, braided fiberglass uniformly coated with silicone rubber. Superior flexibility is unaffected by weather. Easy-to-handle sleeving cuts cleanly and will not fray. UL standard 1441. Operating temperature: -70°C to +200°C. Passes UL VW-1 Flame Test. Color: natural. **Sold in spools of 100'.**

Mfg. Part No.	Nominal Inside Diameter	100' Spool	
		Stock No.	Price per Spool
● PF2003/8 NA005	0.387"	05F1950	463.11
● PF2002 NA005	0.263"	04F9110	264.05
● PF2004 NA005	0.208"	05F1787	198.97
● PF2009 NA005	0.119"	04F9111	138.01
● PF20014 NA005	0.069"	04F9109	103.57

(6362)



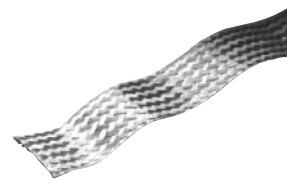
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(148829)

TINNED COPPER BRAID



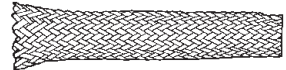
FLAT BRAID

- Woven Tinned Copper
- Combines High Current Carrying Capacity and Flexibility
- Suitable for Grounding and Bonding Strap Applications



TUBULAR BRAID

- Woven Tinned Copper
- Each Strand Meets ASTM-B-33



OVAL BRAID

- Round Construction
- Braid Coverage 95% Minimum

The shielding of electronic interconnect cables can play a critical role in overall system performance. System configuration, type of signals transmitted and proximity to noise generating sources all must be considered. These factors plus the type of interference, whether electromagnetic (EMI), electrostatic (ESI) or radio frequency (RF), will determine the necessity and type of shielding required. Alpha's copper braid conforms to FCC socket 20780 governing EMI and RFI shielding. **Sold in spools of 100'.**

TINNED COPPER TUBULAR BRAID

Mfg. Part No.	Nom. I.D. (in.)	AWG Equiv.	Circular Mil Area	Cond. Current Max. (A)	100' Spool	
					Stock No.	Price per Spool
● 2162 SV005	0.0625	19	1200	11	86K9012	117.57
● 2163 SV005	0.078	18	1800	16	92F7331	159.82
● 2164 SV005	0.109	16	2400	19	02F7919	179.82
● 2166 SV005	0.125	15	3000	25	89K8106	187.69
● 2168 SV005	0.172	14	4200	32	02F7921	238.47
● 2170 SV005	0.203	11	7622	46	02F7922	331.43
● 2171 SV005	0.25	10	9600	53	89K8107	448.44
● 2171/1 SV005	0.281	9	12000	60	03F2632	467.68
● 2172 SV005	0.375	10	9600	53	02F7923	461.95
● 2173 SV005	0.438	6	24000	90	29M7232	761.65
● 2174 SV005	0.500	9	13200	62	85K9678	633.17
● 2175/1 SV005	0.656	1	76800	190	03F2635	1790.34
● 2176 SV005	0.781	7	21600	88	02F7925	856.37

TINNED COPPER OVAL BRAID

● 2132 SV005	0.063	19	1270	11	02F7971	72.80
● 2138 SV005	0.172	14	4764	32	86K9011	183.52
● 2142 SV005	0.250	12	6670	41	02F7974	238.01
● 2144 SV005	0.375	11	7622	46	02F7975	265.39
● 2146 SV005	0.500	9	13339	62	04F9483	502.56
● 2148 SV005	0.625	8	15245	64	04F9484	546.86
● 2150 SV005	0.688	7	19056	81	04F9485	674.51
● 2152 SV005	0.781	7	20962	85	04F9486	736.49

TINNED COPPER FLAT BRAID

Sold in spools of 100' or 1000'.

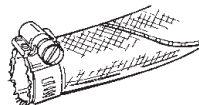
Mfg. Part No.	Flat Width (in.)	AWG Equiv.	Circular Mil Area	100' Spool		1000' Spool	
				Stock No.	Price per Spool	Stock No.	Price per Spool
● 1221	0.025	27	200	02F7885	73.73	02F7886	581.58
● 1222	0.031	24	400	02F7887	79.00	02F7888	622.26
● 1223	0.047	22	600	89K8037	83.81	02F7891	664.02
● 1224	0.094	19	1200	86K8996	93.43	02F7893	779.76
● 1229	0.125	18	1800	02F7894	104.53	85K9587	871.02
● 1230	0.188	15	3000	86K6708	114.33	02F7897	969.39
● 1231	0.250	14	4200	02F7898	154.48	02F7900	1352.25
● 1232	0.375	12	7200	02F7901	247.16	02F7903	2229.03
● 1232	0.375	12	7200	02F7902	1398.35	...	...
● 1233/2	0.5	10	9600	89K8038	312.65	02F7906	2874.15
● 1233	0.625	10	9600	02F7907	330.97	02F7909	3036.24
● 1234	0.75	7	21600	02F7910	744.07	02F7912	6985.44
● 1235	1.000	7	21600	89K8039	795.97	02F7915	7493.13
● 1239	1.375	5	33600	85K9588	901.88	02F9054	8527.95
● 1240	1.500	3	52800	02F9055	1263.46	...	...
● 1241	1.750	30	124800	03F3292	2526.64	...	...
● 1242	2.000	30	143600	02F9056	3170.72	...	...
● 1242/4	3.000	30	225600	02F9057	6116.01	...	...

(6462)

ELECTRICAL SLEEVING

FLAME-RETARDANT, EXPANDABLE
BRAIDED POLYESTER SLEEVING

- Lightweight, flexible routing
- High abrasion and cut-through resistance
- Rot-free, fungus-proof applications
- Passes UL VW-1 flame test
- UL recognized



GRP-120 series flame-retardant braided polyester sleeving features an open weave that allows for a greater range of diameter expansion, providing ease of installation and gripping action over a wide range of shapes and sizes. Ideal for protecting wire bundles, harnesses, pneumatic hoses, hydraulic lines, cable, and highly polished or threaded machine parts. To prevent fraying of sleeving ends simply cut/seal with a hot knife. If flame resistance is not required, select general-purpose **GRP-110 series** expandable braided polyester sleeving; *order separately, go online or call*. If non-fraying sleeving is desired, select general-purpose **GRP-110NF series** or flame-retardant **GRP-120NF series** non-fraying, expandable braid sleeving; *order separately, go online or call*.

Mfg. Part No.	I.D. (in.)		Nom. Wall Thick. (in.)	Color	Spool Size (ft.)	Stock No.	Price per Spool
	Min.	Max.					
● G1201/8 BK005	0.093	0.250	0.025	Black	100	04F8663	66.20
● G1201/8 WH005	0.093	0.250	0.025	White	100	04F8666	66.20
● G1201/4 WH005	0.125	0.437	0.025	White	100	04F8667	95.37
● G1201/2 WH005	0.250	0.750	0.025	White	100	04F8668	170.17
● G1203/4 WH005	0.500	1.250	0.025	White	100	04F8669	253.95
● G12011/4 BK007	0.750	1.750	0.025	Black	50	27M4044	153.20
● G12013/4 BK007	1.250	2.750	0.025	Black	50	04F8665	253.50

(6394)

FRAY-RESISTANT BRAIDED
EXPANDABLE SLEEVING

- Resists fraying when cut with scissors
- Provides continuous abrasion protection resistance for wires, cable and tubing
- Highly-flexible open weave will not trap heat or humidity
- For indoor use only



Woven of fray-resistant, black polyethylene terephthalate. Temperature range: 70°C to 125°C (94°F to 257°F). UL recognized, CSA certified.

Mfg. Part No.	Nominal Inner Dia. (in.)	Cable Bundle Diameter (in.)		Spool Length (ft.)*	Stock No.	Price per Spool
		Min.	Max.			
● SE12PSC-TR0	0.125	0.125	0.250	200	39M3231	323.40
● SE25PSC-TR0	0.250	0.156	0.438	200	39M3234	240.79
● SE38PSC-TR0	0.375	0.188	0.625	200	39M3235	397.61
● SE50PSC-CR0	0.500	0.250	0.750	100	39M3236	245.00
● SE75PSC-CR0	0.750	0.625	1.000	100	39M3237	284.20
● SE125PSC-LR0	1.250	1.000	1.500	50	39M3232	166.60
● SE150PSC-LR0	1.500	1.250	2.000	50	39M3233	205.80

*NOTE: Spool may contain splices (90840)

BRAIDED EXPANDABLE
SLEEVING

- Provides continuous abrasion protection for wire, cable and tubing
- Lightweight, yet durable protection
- Highly-flexible open weave will not trap heat or humidity



Material: weather-resistant black polyethylene terephthalate - general-purpose polyester for applications up to 125°C. UL recognized, CSA certified.

Mfg. Part No.	Cable Bundle Dia. Min. - Max. (in.)	Nominal Inner Dia. (in.)	Spool Size (ft.)	Stock No.	Price per Spool
● SE12P-TR0	0.125 - 0.250	0.125	200	97B2970	122.06
● SE25P-TR0	0.156 - 0.438	0.250	200	33C1006	163.93
● SE38P-TR0	0.188 - 0.625	0.375	200	50B6640	230.08
● SE50P-CR0	0.250 - 0.750	0.500	100	50B6641	170.69
● SE75P-CR0	0.625 - 1.000	0.750	100	91B3959	214.34
● SE125P-LR0	1.000 - 1.500	1.250	50	33C4166	133.81
● SE150P-LR0	1.250 - 2.000	1.500	50	08C4831	177.06

(68796)

HOOK & LOOP SLEEVING



Lightweight, expandable, braided monofilament sleeving with hook and loop fastening system is designed to allow easy wrap bundling and protection for wire, cable, hoses, and tubes. Monofilaments are constructed from durable P.E.T. providing continuous protection against abrasion, fungus, and rotting in addition to being unaffected by most chemical environments, and solvents. Temperature rating: -75°C to +125°C. Melt temperature: +250°C. Sold in 25' spools.

Mfg. Part No.	Nominal I.D. (in.)	25' Spool	
		Stock No.	Price per Spool
● 8465-0238	1/2	52N9778	133.68
● 8465-0239	3/4	52N9779	151.10
● 8465-0240	1 1/4	52N9780	204.51
● 8465-0241	2	52N9781	218.22

(6342)

HI-TEMP RESIN COATED
FIBERGLASS SLEEVING

Features

- Resin coated, heavy weight, braided fiberglass
- Protects to 1200°F
- Minimal dusting when cut and handled
- Cut and abrasion resistant
- Easy to install - cuts with scissors
- Asbestos free
- Resists gasoline and engine chemicals
- Color: black



Hi-Temp, resin coated sleeving is an extremely high temperature resistant sleeve commonly used as thermal protection for wires, cables and hoses that are subjected to continuous and extreme high temperature environments, such as engine manifolds and exhaust systems. It installs easily over a variety of applications to either deflect or retain heat in environments up to 1,200°F

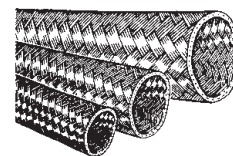
Nominal Size (Inches)	Maximum Dia. (Inches)	Wall Thickness (Inches)	Mfg. Part No.	Spool Size (ft.)	Stock No.	Price per Spool
0.25	0.5	0.043	● SPC14520		26K1791	68.20
0.375	0.625	0.043	● SPC14521		26K1792	112.20
0.5	0.75	0.046	● SPC14522		26K1793	165.00
0.625	0.875	0.046	● SPC14523		26K1794	91.30
0.75	1.125	0.046	● SPC14524		26K1795	102.30
0.875	1.25	0.046	● SPC14525		26K1796	110.00
1	1.625	0.057	● SPC14526		26K1797	78.65

(84567)

BRAIDED FIBERGLASS
ELECTRICAL SLEEVING

- Class 240C Insulation
- Heat Annealed
- UL Recognized (File E92997)

Tightly braided fiberglass sleeving designed as Class 240C insulation that is heat annealed to remove organic impurities, improve handling and reduce end fraying. Compatible with varnishes, epoxies and bonding agents where maximum reinforcement between the glass and encapsulant is needed. Can be used as primary and secondary insulation for motor leads, small appliances, brush assemblies, electric resistance heating elements, and similar low voltage applications. Ideal for abrasion and cut-through protection over insulated leads. Operating temperature: -76°F (-60°C) to +1200°F (649°C). Sold in spools of 100'.



NATURAL COLOR, HEAT-TREATED SLEEVING

Mfg. Part No.	Size	Nom. I.D.	Nom. Wall Thickness	100' Spool	
				Stock No.	Price per Spool
● SPC4913	24	0.022"	0.012"	50N080	21.68
● SPC4914	22	0.027"	0.012"	50N081	21.83
● SPC4915	20	0.034"	0.012"	50N082	22.22
● SPC4916	18	0.042"	0.012"	50N083	22.37
● SPC4917	16	0.053"	0.013"	50N084	16.14
● SPC4918	14	0.066"	0.015"	50N085	23.30
● SPC4919	12	0.085"	0.015"	50N086	24.95
● SPC4920	10	0.106"	0.015"	50N087	26.57
● SPC4921	8	0.133"	0.015"	50N088	29.73
● SPC4922	6	0.166"	0.015"	50N089	33.04
● SPC4923	4	0.208"	0.015"	50N090	39.51
● SPC4924	2	0.263"	0.018"	50N091	49.13
● SPC4925	0	0.330"	0.018"	50N092	62.91
● SPC4926	3/8"	0.375"	0.022"	50N093	90.90
● SPC4927	7/16"	0.438"	0.022"	50N094	106.50
● SPC4928	1/2"	0.500"	0.022"	50N095	152.66

▶ CONTINUED ▶

ELECTRICAL SLEEVING

BRAIDED FIBERGLASS ELECTRICAL SLEEVING (CONT.)

Mfg. Part No.	Size	Nom. I.D.	Nom. Wall Thickness	100' Spool	
				Stock No.	Price per Spool
● SPC4929	3/8"	0.625"	0.022"	50N096	167.09
● SPC4930	3/4"	0.750"	0.022"	50N097	206.71
● SPC4932	1"	1.000"	0.022"	50N099	296.26

TAN DYED, HEAT-TREATED SLEEVING

The addition of a tan-colored, high-temperature resin dye affords additional fray resistance and firmness required for cutting and installation.

● GSX-S24-1100-NAT	24	0.022"	0.012"	04F4470	23.41
● GSX-S22-1100-NAT	22	0.027"	0.012"	04F4471	15.94
● GSX-S20-1100-NAT	20	0.034"	0.012"	04F4472	23.72
● GSX-S18-1100-NAT	18	0.042"	0.012"	04F4473	16.48
● GSX-S16-1100-NAT	16	0.053"	0.013"	04F4474	24.26
● GSX-S14-1100-NAT	14	0.066"	0.015"	04F4475	24.64
● GSX-S12-1100-NAT	12	0.085"	0.015"	04F4476	27.11
● GSX-S10-1100-NAT	10	0.106"	0.015"	04F4477	29.50
● GSX-S08-1100-NAT	8	0.133"	0.015"	04F4478	32.23
● GSX-S06-1100-NAT	6	0.166"	0.015"	04F4479	37.04
● GSX-S04-1100-NAT	4	0.208"	0.015"	04F4480	43.51
● GSX-S02-1100-NAT	2	0.263"	0.018"	04F4481	54.83
● GSX-S00-1100-NAT	0	0.330"	0.018"	04F4482	69.11
● GSX-024-1100-NAT	3/8"	0.375"	0.022"	04F4483	100.49
● GSX-028-1100-NAT	7/16"	0.438"	0.022"	04F4484	112.12
● GSX-032-1100-NAT	1/2"	0.500"	0.022"	04F4485	171.56
● GSX-040-1100-NAT	5/8"	0.625"	0.022"	04F4486	175.68
● GSX-048-1100-NAT	3/4"	0.750"	0.022"	04F4487	217.61
● GSX-064-1100-NAT	1"	1.00"	0.022"	04F4489	355.51

(6350)

SILICONE JACKETED FIBERGLASS SLEEVING



Features

- Stable to 500°F
- Continuous operating temperature: 428°F (220°C)
- Contains radiant heat to prevent damage to nearby components
- Cut- and Abrasion-resistant
- Halogen and asbestos free
- Resists gasoline and engine chemicals
- Available in red or black
- Wall thickness: 0.08"

The thick, high temperature fiberglass sleeve is jacketed with a non-permeable, heavy silicone coating that is flexible enough to follow tight radius curves, resists all automotive chemicals and solvents, and provides a substantial level of abrasion and puncture protection. Completely non-conductive, will not melt, delaminate, become brittle or support combustion under normal conditions, and provides a professional level solution to thermal protection needs in any application.

Mfg. Part No.	Nominal Size (Inches)	Color	Spool Size (ft.)	Stock No.	Price per Spool
● SPC14540	.375	Black	50	26K1811	154.07
● SPC14541	.375	Red	50	26K1812	154.07
● SPC14542	.500	Black	50	26K1813	156.24
● SPC14543	.500	Red	50	26K1814	156.24
● SPC14544	.625	Black	50	26K1815	263.66
● SPC14545	.625	Red	50	26K1816	263.66
● SPC14546	.750	Black	50	26K1817	277.76
● SPC14547	.750	Red	50	26K1818	277.76
● SPC14548	.875	Black	25	26K1819	154.07
● SPC14549	.875	Red	25	26K1820	154.07
● SPC14550	1.00	Black	25	26K1821	187.71
● SPC14551	1.00	Red	25	26K1822	187.71
● SPC14552	1.500	Black	25	26K1823	195.30
● SPC14553	1.500	Red	25	26K1824	195.30
● SPC14554	2.00	Black	25	26K1825	273.97
● SPC14555	2.00	Red	25	26K1826	273.97
● SPC14556	2.375	Black	25	26K1827	330.93
● SPC14557	2.375	Red	25	26K1828	330.93
● SPC14558	2.875	Black	25	26K1829	406.88
● SPC14559	2.875	Red	25	26K1830	406.88

(84559)

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(148859)

EXPANDABLE SLEEVING

Just Added



Standard Grade



Flame-Retardant Grade

- Available in standard and flame-retardant grades
- Resists gasoline and engine chemicals
- Cut and abrasion resistant
- Standard operating temperature: -70°C to +125°C
- Melting temperature: 250°C
- Meets UL VW-1 specifications
- MIL-202, FAR 25, FMVSS 302, FR-1 approved
- UL recognized

STANDARD-GRADE SLEEVING — BLACK POLYETHYLENE TEREPHTHALATE (PET)

Mfg. Part No.	Size (In.)	Min. Dia. (In.)	Expanded Size (In.)	Stock No.	Spool Size (Ft.)	Price per Spool
● 8465-0228	1/8"	0.093	0.125	52N9768	100	32.46
● 8465-0229	1/4"	0.125	0.438	52N9769	100	37.87
● 8465-0230	3/8"	0.187	0.625	52N9770	100	48.69
● 8465-0231	1/2"	0.250	0.750	52N9771	100	81.15
● 8465-0232	3/4"	0.500	1.250	52N9772	50	63.47
● 8465-0233	1 1/4"	0.750	1.750	52N9773	50	83.67
● 8465-0234	1 1/2"	0.750	2.000	52N9774	50	98.09
● 8465-0235	1 3/4"	1.250	2.750	52N9775	25	69.00
● 8465-0236	2"	1.500	3.500	52N9776	25	97.75
● 8465-0237	2 1/2"	1.750	4.500	52N9777	25	106.38

FLAME-RETARDANT SLEEVING — BLACK POLYETHYLENE TEREPHTHALATE (PET) WITH ORGANIC FLAME-INHIBITOR, WHITE CRISS-CROSS THREADED TRACER

● SPC20176	1/8"	0.093	0.125	87K0914	100	43.28
● SPC20177	1/4"	0.125	0.438	87K0915	100	64.92
● SPC20178	1/2"	0.250	0.750	87K0916	100	113.61
● SPC20179	3/4"	0.500	1.250	87K0917	50	95.21
● SPC20180	1 1/4"	0.750	1.750	87K0918	50	126.94
● SPC20181	1 3/4"	1.250	2.750	87K0919	25	106.38
● SPC20182	2"	1.500	3.500	87K0920	25	135.13
● SPC20183	2 1/2"	1.750	4.500	87K0921	25	176.82

(6341)

FRAY-RESISTANT EXPANDABLE SLEEVING



Non Flame Retardant



Flame Retardant

- Resists Fraying When Cut With Scissors.
- Increased Braid Density for Fuller Coverage.
- High Abrasion Resistance.
- Temperature Range: -75°C to +125°C
- Melting Temperature: 230°C
- UL Recognized (file E107055)
- CSA Certified (file LR66145-1).
- Available in Standard and Flame-Retardant Grades

STANDARD SLEEVING

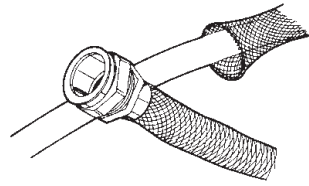
Mfg. Part No.	Size	Expansion		Spool Size	Stock No.	Price per Spool
		Min.	Max.			
● SPC5146	1/8"	1/8"	1/4"	100'	50N469	38.56
● SPC5147	1/4"	5/32"	7/16"	100'	50N470	48.20
● SPC5148	3/8"	3/16"	5/8"	100'	50N471	72.30
● SPC5149	1/2"	1/4"	3/4"	100'	50N472	86.76
● SPC5150	3/4"	5/8"	1"	50'	50N473	53.02
● SPC5151	1"	3/4"	1 1/8"	50'	50N474	60.25
● SPC5152	1 1/4"	1"	1 1/2"	50'	50N475	77.12
● SPC5153	1 1/2"	1 1/4"	2"	50'	50N476	93.99

FLAME-RETARDANT SLEEVING

● SPC20168	1/8"	1/8"	1/4"	100'	87K0905	62.66
● SPC20169	1/4"	5/32"	7/16"	100'	87K0906	86.76
● SPC20170	3/8"	3/16"	5/8"	100'	87K0907	125.32
● SPC20171	1/2"	1/4"	3/4"	100'	87K0908	149.42
● SPC20172	3/4"	5/8"	1"	50'	87K0909	98.81
● SPC20173	1"	3/4"	1 1/8"	50'	87K0910	115.68
● SPC20174	1 1/4"	1"	1 1/2"	50'	87K0911	142.19
● SPC20175	1 1/2"	1 1/4"	2"	50'	87K0913	187.98

(34081)

ELECTRICAL SLEEVING • HEAT-SHRINK GUNS & ACCESSORIES

EXPANDABLE
MONOFILAMENT SLEEVING

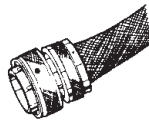
Step 1

Turn end inward to form large opening or "Fish Mouth". Slide over end fitting.



Step 2

Push Expandable Sleeve over cable bundles and fittings. Pull-down to fit contours.



Step 3

Expandable Sleeve becomes a snug, form fitting cover to protect the finished product.

Highly fray resistant expandable monofilament sleeving in both standard polyester and flame-retardant polyester constructions. Both materials provide outstanding flexible abrasion protection and bundling characteristics. Both are also extremely durable and are unaffected by most chemical environments and common solvents. The high level of fray resistance allows cutting without using a hot knife, and manual or normal shop handling without fraying problems. Both have highest levels of flexibility and full 3:1 expansion ratios. Standard operating temperature: -70°C to +125°C. Flame-retardant version meets UL VW-1 specifications. UL recognized. **Sold in spool lengths indicated.**

BLACK STANDARD SLEEVING

Mfg. Part No.	Size	Expanded Size	Spool Size (ft.)	Stock No.	Price per Spool
● SPC12212	1/8"	1/4"	100'	06H1236	24.73
● SPC12213	1/4"	3/8"	100'	06H1237	31.96
● SPC12214	3/8"	1/2"	100'	06H1238	50.38
● SPC12215	1/2"	3/4"	100'	06H1239	57.73
● SPC12216	3/4"	1 1/4"	50'	06H1240	44.70
● SPC12217	1 1/4"	1 3/4"	50'	06H1241	57.10
● SPC12218	1 3/4"	2 3/4"	25'	06H1242	35.91
● SPC12219	2"	3 1/2"	25'	06H1243	65.12
● SPC12220	2 1/2"	4 1/2"	25'	06H1244	65.59

BLACK FLAME-RETARDANT SLEEVING — WHITE TRACER

SPC12221	1/8"	1/4"	100'	06H1245	32.34
SPC12222	1/4"	3/8"	100'	06H1246	51.04
SPC12223	3/8"	1/2"	100'	06H1247	65.59
SPC12224	1/2"	3/4"	100'	06H1248	84.33
SPC12225	3/4"	1 1/4"	50'	06H1249	56.27
SPC12226	1 1/4"	1 3/4"	50'	06H1250	71.65
SPC12227	1 3/4"	2 3/4"	25'	06H1251	58.15
SPC12228	2"	3 1/2"	25'	06H1252	83.51
SPC12229	2 1/2"	4 1/2"	25'	06H1253	94.00

(74117)

HALAR® EXPANDABLE
BRAIDED SLEEVING

- High abrasion and cut resistance
- Chemically inert
- Cuts easily with hot knife
- Halogen-free, low outgassing, approved for plenum applications
- Flammability rating: UL94 V-0, FAR 25.853, UL VW-1, FMVSS 302
- Radiation resistant
- Operating temperature: -103°F to 320°F
- Ideal in corrosive environments



Halar® self-extinguishing, expandable sleeving is used where flammability, high-temperature endurance and low outgassing are primary concerns. Braided from 11 mil filaments of Halar® (ethylene chlorotrifluoroethylene [ECTFE] copolymer). Because of its low flame spread and smoke generation properties, Halar® has received UL 910 (NPPA 262) plenum listing, UL flame resistance rating of VW-1 and meets automotive industry requirements of FMVSS 302. Resists a wide range of corrosive chemicals and organic solvents, including strong acids, chlorine and aqueous caustics. Color: black with white tracer. **Sold in spool sizes listed in table below.**

Mfg. Part No.	Nominal Size (inches)	Size Range (inches)	Spool Size (ft.)	Stock No.	Price per Spool
● SPC14307	1/8"	0.094-0.250	100	72J8440	80.60
● SPC14308	1/4"	0.125-0.438	100	72J8441	112.84
● SPC14309	3/8"	0.188-0.625	100	72J8442	257.92

➔ CONTINUED ➔

Mfg. Part No.	Nominal Size (inches)	Size Range (inches)	Spool Size (ft.)	Stock No.	Price per Spool
● SPC14310	1/2"	0.250-0.750	100	72J8443	302.25
● SPC14311	3/4"	0.500-1.250	50	72J8444	231.15
● SPC14312	1 1/4"	0.750-1.750	50	72J8445	331.65
● SPC14313	1 3/4"	1.250-2.750	25	72J8446	266.33
● SPC14314	2"	1.500-3.500	25	72J8447	301.50

(83657)

EMI/RFI COPPER
SHIELDING TAPE

Provides a low impedance connection between metal connector back-shell and braided cable shield in molded cable. The pressure-sensitive adhesive contains a uniform dispersion of unique oxidation-resistant conductive particles resulting in shielding performance approx. 50dB (50dB better than other metal foil shielding tapes). Meets ASTM-D-1000 and MIL-T-47012. **Sold in rolls of 36 yards.**



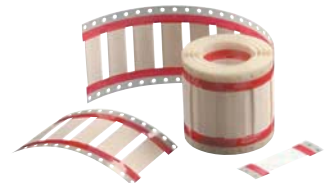
3

Mfg. Part No.	Width (in.)	Stock No.	Price per Roll
● CST5 NC087	0.5	48F7014	309.69
● CST15 NC087	1.5	50F9571	952.50

(6416)

FIT®-PRINT HEAT
SHRINKABLE
IDENTIFICATION SYSTEM

FIT®-PRINT is designed to economically meet the wire identification needs of the electronic interconnect, industrial, computer, office automation, marine, and electrical markets. Constructed of irradiated polyolefin tubing with a 3:1 shrink ratio, smear-resistant sleeves feed directly into standard typewriters or dot matrix printers. All markers are 2" wide. UL recognized standard 224. **Sold in spools of 250 markers.**



Mfg. Part No.	Approx. Wire Gauge (AWG)		Minimum I.D. Space (in.)	Color	Stock No.	Price per Spool
	Min.	Max.				
● FPRINT1/8 YL082	22	16	0.125	Yellow	93F5821	154.66
● FPRINT1/8 WH082	22	16	0.125	White	93F5820	154.66
● FIT-PRINT-1/4 YL082	16	8	0.250	Yellow	06M3832	168.44
● FPRINT1/4 WH082	16	8	0.250	White	93F5822	173.74
● FPRINT1/2 YL082	8	2	0.500	Yellow	89K7903	399.73
● FPRINT1/2 WH082	8	2	0.500	White	93F5824	399.73
● FPRINT1 WH082	2	400	1.000	White	92F7200	767.87

(6469)

FIT® HEAT GUNS



FIT GUN 1



FIT GUN 3

Alpha Fit Gun-1 and Fit Gun-3 lightweight, quiet, two-temperature heat guns are ideal for multi-purpose for industrial applications. Features a 3-position (off-low-high) rocker switch (Fit Gun-1) or slider switch (Fit Gun-3). Quiet, brushless DC motor. Ceramic encapsulated heating element protects against coil breakage, reduces internal heat concentration, prolongs coil life and concentrates air flow; lightweight, high impact housing for increased durability. UL listed. CSA certified. Temperature settings: **Fit Gun-1:** Variable up to 566°C (1050°F). **Fit Gun-3:** Low: 400°C (750°F); High: 585°C (1090°F). **Fit Gun-3** includes built-in stand and hanging ring as well as accessory mfg. part no. GA-20 hook reflector and mfg. part no. GA-21 concentrator nozzle.

Mfg. Part No.	Description	Stock No.	Price Each
FGUN1 NC032	Fit Gun-1	95F3604	209.35
FGUN3 NC032	Fit Gun-3	93F1914	89.79

(6404)

HEAT-SHRINK TUBING

FP-301VW SERIES (2:1) SHRINK RATIO, FLAME-RESISTANT, FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING

FP-301VW series offers the same physical, electrical, and chemical properties as FP-301 series tubing, order separately, with the addition of superior flame resistance. Ideal as fire resistant coverings of components and flammable wire assemblies. Meets MIL-DTL-23053/5 Class 3 requirements. Rated for continuous operations from -55°C/-67°F to 135°C/275°F and withstands elevated temperatures to 300°C/572°F for short periods of time. Shrink ratio: 2:1. Minimum shrink temperature is 100°C/212°F. Black only. Selected sizes of FP-301VW series tubing also available in assortment packs, order separately; go online or call.

Just Added



Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Recovered Wall Nom. Thick. (In.)	Mfg. Part No.	4' Lengths				SPAN ERROR	6" Lengths			
					Lengths Per Box	Total Footage	Stock No.	Price per Box		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
0.047	0.046	0.023	0.016	● FP-301VW 3/64" BL 48" BX	25	100	08N5616	25.34	● FP-301VW 3/64" BL 6" PC	40	20	95F7587	12.24
0.063	0.063	0.031	0.017	● FP-301VW 1/16" BL 48" BX	25	100	95F7574	26.27	● FP-301VW 1/16" BL 6" PC	38	19	97M6864	12.24
0.094	0.093	0.046	0.02	● FP-301VW 3/32" BL 48" BX	25	100	95F7575	29.82	● FP-301VW 3/32" BL 6" PC	36	18	95F7589	12.24
0.125	0.125	0.062	0.02	● FP-301VW 1/8" BL 48" BX	25	100	95F7576	31.51	● FP-301VW 1/8" BL 6" PC	34	17	97M6868	12.24
0.188	0.187	0.093	0.02	● FP-301VW 3/16" BL 48" BX	25	100	08N5615	38.26	● FP-301VW 3/16" BL 6" PC	30	15	97M6872	12.24
0.25	0.250	0.125	0.025	● FP-301VW 1/4" BL 48" BX	12	48	95F7578	24.14	● FP-301VW 1/4" BL 6" PC	26	13	97M6866	12.24
0.375	0.375	0.187	0.025	● FP-301VW 3/8" BL 48" BX	12	48	95F7579	26.91	● FP-301VW 3/8" BL 6" PC	24	12	97M6873	12.24
0.5	0.500	0.250	0.025	● FP-301VW 1/2" BL 48" BX	12	48	95F7580	29.13	● FP-301VW 1/2" BL 6" PC	20	10	97M6865	12.24
0.75	0.750	0.375	0.03	● FP-301VW 3/4" BL 48" BX	12	48	95F7581	39.13	● FP-301VW 3/4" BL 6" PC	14	7	95F7595	12.24
1	1.000	0.500	0.035	● FP-301VW 1" BL 48" BX	5	20	95F7582	22.77	● FP-301VW 1" BL 6" PC	6	5	97M6869	11.66
1.5	1.500	0.750	0.04	● FP-301VW 1 1/2" BL 48" BX	5	20	08N5617	29.13	● FP-301VW 1 1/2" BL 6" PC	6	3	97M6863	11.66
2	2.000	1.000	0.045	● FP-301VW 2" BL 48" BX	5	20	95F7584	55.80	● FP-301VW 2" BL 6" PC	4	2	97M6871	12.15
3	3.000	1.500	0.05	● FP-301VW 3" BL 48" BX	2	8	95F7585	47.20	● FP-301VW 3" BL 6" PC	3	1.5	98M0916	11.66
4	4.000	2.000	0.055	● FP-301VW 4" BL 48" BX	2	8	08N5614	60.24	...	...	...	...	...

(6392)

VFP-876 SERIES LOW SHRINK TEMPERATURE, VERY-FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING

Same physical, electrical, and chemical properties as FP-301 series tubing with two additional features: 100°C shrink temperature (versus 121°C), to minimize damage on temperature-sensitive components; and extra-flexibility for insulating flexible wire bundles. Meets MIL-R-46846 Type V specifications. UL recognized E39100, CSA certified LR 38227. Stock numbers listed in table below are black. White and yellow color tubing available; go online or call.



Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Recovered Wall Nom. Thick. (In.)	Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
					Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg. 1-4		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg. 1-4
0.047	0.046	0.023	0.016	● VFP-876 3/64" BL 48" BX	25	100	97H8169	42.20	● VFP-876 3/64" BL 6" PC	40	20	97M7257	13.10
0.063	0.063	0.031	0.017	● VFP-876 1/16" BL 48" BX	25	100	97M7249	45.10	● VFP-876 1/16" BL 6" PC	38	19	97M7250	13.10
0.094	0.093	0.046	0.02	● VFP-876 3/32" BL 48" BX	25	100	95F7603	46.00	● VFP-876 3/32" BL 6" PC	36	18	97M7255	13.10
0.125	0.125	0.062	0.02	● VFP-876 1/8" BL 48" BX	25	100	95F7604	49.59	● VFP-876 1/8" BL 6" PC	34	17	95F7616	13.10
0.188	0.187	0.093	0.02	● VFP-876 3/16" BL 48" BX	25	100	95F7605	60.10	● VFP-876 3/16" BL 6" PC	30	15	97M7254	13.10
0.25	0.250	0.125	0.025	● VFP-876 1/4" BL 48" BX	12	48	97M7252	36.92	● VFP-876 1/4" BL 6" PC	26	13	97M7253	13.10
0.375	0.375	0.187	0.025	● VFP-876 3/8" BL 48" BX	12	48	95F7607	41.10	● VFP-876 3/8" BL 6" PC	24	12	97M7258	13.10
0.5	0.500	0.250	0.025	● VFP-876 1/2" BL 48" BX	12	48	95F7608	49.07	● VFP-876 1/2" BL 6" PC	20	10	97M7251	13.10
0.75	0.750	0.375	0.03	● VFP-876 3/4" BL 48" BX	12	48	95F7609	61.85	● VFP-876 3/4" BL 6" PC	14	7	97M7256	13.10
1	1.000	0.500	0.035	● VFP-876 1" BL 48" BX	5	20	95F7610	38.15	● VFP-876 1" BL 6" PC	10	5	97M7247	13.10
1.5	1.500	0.750	0.04	● VFP-876 1 1/2" BL 48" BX	5	20	95F7611	63.99	● VFP-876 1 1/2" BL 6" PC	6	3	97M7248	13.10
2	2.000	1.000	0.045	● VFP-876 2 BLK 4FT	5	20	95F7612	86.25	● VFP-876 2" BL 6" PC	4	2	08N3260	13.10

(6380)

MFP SERIES (2:1) SHRINK RATIO, SPECIAL-PURPOSE, MODIFIED POLYVINYLIDENE FLUORIDE (PVDF) HEAT-SHRINK TUBING

MFP series heat-shrink tubing is ideal for extremes in temperature or environment. A cross-linked, thin-walled, heat-shrinkable tubing offering a high degree of mechanical strength and high-temperature resistance. Modified polyvinylidene fluoride makes it resistant to corrosive, flame-retardant, semi-rigid and highly-resistant to most industrial fuels, chemicals and solvents, as well as mechanically tough for cut-through and abrasion resistance with a high 900V/mil dielectric strength. Rated for continuous operation from -55°C to +175°C. Rigidity and transparency make this shrink tubing a good choice for strain relief and identification. Shrink ratio: 2:1. UL recognized E-39100, VW-1, E-69751; CSA certified LR 38227, 0FT; meets MIL-DTL-23053/8, DTL-23053/18, Class 1 specifications. Color: clear.



Size (In.)	Expand ID (In., Min.)	Recover ID (In., Max.)	Recovered Wall Nom. Thick. (In.)	Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
					Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
3/64	0.046	0.023	0.01	● MFP-3/64-48-CLEAR SMBX	25	100	97H4154	101.93	● MFP 3/64" CR 6" PC	30	15	95F7702	18.60
1/16	0.063	0.031	0.01	● MFP-1/16-48-CLEAR SM BX	25	100	05J1786	92.76	● MFP 1/16" CLR 6" PC	28	14	07J6850	18.60
3/32	0.093	0.046	0.01	● MFP-3/32-48-CLEAR SM BX	25	100	97H4152	111.90	● MFP 3/32" CR 6" PC	26	13	95F7704	18.60
1/8	0.125	0.062	0.01	● MFP-1/8-48-CLEAR	12	48	05J1787	107.33	● MFP 1/8" CR 6" PC	24	12	95F7705	18.60
3/16	0.187	0.093	0.01	● MFP-3/16-48-CLEAR SM BX	12	48	07J6851	94.46	● MFP 3/16" CR 6" PC	18	9	95F7706	18.60
1/4	0.25	0.125	0.012	● MFP-1/4-48-CLEAR BX	12	48	97H4150	116.51	● MFP 1/4" CR 6" PC	14	7	95F7707	18.60
3/8	0.375	0.187	0.012	● MFP-3/8-48-CLEAR	12	48	97H4155	140.30	● MFP 3/8" CR 6" PC	12	6	95F7708	18.56
1/2	0.5	0.25	0.012	● MFP-1/2-48-CLEAR	5	20	97H4149	75.64	● MFP 1/2" CR 6" PC	8	4	95F7709	18.27
3/4	0.75	0.375	0.017	● MFP-3/4-48-CLEAR SM BX	5	20	97H4153	142.43	● MFP 3/4" CR 6" PC	4	2	95F7710	17.71

(6390)

HEAT-SHRINK TUBING

EPS-200 SERIES (2:1) SHRINK RATIO, ADHESIVE-LINED, FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING

EPS-200 series tubing features one step environmental protection of electronic, electrical, automotive, and marine wiring. As the flame retardant, flexible polyolefin outer wall shrinks to a skin-tight fit, the hot melt adhesive is pushed into voids and crevices. Upon cooling the adhesive solidifies and bonds to form a permanent moisture-proof barrier. 2:1 shrink ratio. Jacket meets UL 224 all tubing flame test, -55°C to +110°C continuous operating temperature. Meets MIL-DTL-23053/4 Class 2 specifications. Black only. UL recognized.



Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Total Recovered Wall (In., Nom.)	Meltable Recovered Wall (In., Nom.)	Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
						Lengths Per Pkg.	Total Ft.	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Ft.	Stock No.	Price per Pkg.
0.125	0.125	0.063	0.027	0.004	● EPS-200-1/8-48-BLACK	25	100	95F7653	104.67	● EPS-200 1/8" BL 6" PC	28	14	95F7662	22.80
0.188	0.187	0.093	0.027	0.004	● EPS-200-3/16-48-BLACK*SM	12	48	95F7654	54.70	● EPS-200 3/16" BL 6" PC	24	12	97M6830	22.80
0.25	0.250	0.125	0.03	0.005	● EPS-200-1/4-48-BLACK SM	12	48	95F7655	68.45	● EPS-200 1/4" BL 6" PC	20	10	97M6828	22.80
0.375	0.375	0.187	0.031	0.005	● EPS-200-3/8-48-BLACK SM	12	48	95F7656	77.07	● EPS-200 3/8" BL 6" PC	16	8	95F7665	22.80
0.5	0.500	0.250	0.032	0.006	● EPS-200-1/2-48-BLACK SM	12	48	95F7657	88.58	● EPS-200 1/2" BL 6" PC	14	7	97M6827	22.80
0.75	0.750	0.375	0.037	0.006	● EPS-200-3/4-48-BLACK	5	48	95F7658	50.46	● EPS-200 3/4" BL 6" PC	12	6	97M6831	22.80
1	1.000	0.500	0.046	0.008	● EPS-200-1-48-BLACK	5	20	95F7659	74.17	● EPS-200 1" BL 6" PC	8	4	97M6829	22.80
1.5	1.500	0.750	0.049	0.008	● EPS-200-1 1/2-48-BLACK	5	20	97H8160	129.78	● EPS-200 1 1/2" BL 6" PC	4	2	97M6826	22.80
2	2.000	1.000	0.06	0.015	● EPS-200-2-48-BLACK 2/BOX	2	8	95F7661	83.11	● EPS-200 2" BL 6" PC	2	1	95F7670	22.80

(6382)

MW SERIES (2.5:1) SHRINK RATIO, ADHESIVE-LINED, SEMI-RIGID, POLYOLEFIN HEAT-SHRINK TUBING

Encapsulates and seals in one step in the same way as EPS-200 series tubing. Semi-rigid outerwall gives superior abrasion and cut-through resistance. 2.5:1 shrink ratio. -55°C to +110°C continuous operating temperature. Meets MIL-DTL-23053/4 Class 1 specifications. Black only. UL recognized.

Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Total Recovered Wall (In., Nom.)	Meltable Recovered Wall (In., Nom.)	Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
						Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
0.125	0.125	0.023	0.038	0.020	● MW-1/8-48-BLACK	25	100	97H8164	133.40	● MW 1/8" BL 6" PC	28	14	95F7646	28.47
0.188	0.187	0.060	0.043	0.025	● MW-3/16-48-BLACK	12	48	97H8165	78.82	● MW 3/16" BL 6" PC	24	12	95F7647	28.47
0.25	0.250	0.080	0.047	0.027	● MW-1/4-48-BLACK	12	48	97H8163	97.83	● MW 1/4" BL 6" PC	20	10	95F7648	28.47
0.375	0.375	0.130	0.05	0.030	● MW-3/8-48-BLACK	12	48	97H8167	110.91	● MW 3/8" BL 6" PC	16	8	95F7649	28.47
0.5	0.500	0.195	0.055	0.035	● MW-1/2-48-BLACK	12	48	97H8162	125.06	● MW 1/2" BL 6" PC	14	7	95F7650	28.47
0.75	0.750	0.313	0.065	0.040	● MW-3/4-48-BLACK	5	20	97H8166	85.37	● MW 3/4" BL 6" PC	12	6	95F7651	28.47
1	1.000	0.400	0.075	0.040	● MW-1-48-BLACK	5	20	97H8161	108.03	● MW 1" BL 6" PC	8	4	95F7652	28.47

(6383)

EPS-300 SERIES (3:1) SHRINK RATIO, ADHESIVE-LINED, FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING

Meltable inner wall of EPS-300 series tubing forms a moistureproof barrier, making it the product of choice for outdoor, automotive, or marine applications. 3:1 shrink ratio helps to seal uneven surfaces such as connectors and components. Jacket meets UL 224 all tubing flame test, -55°C to +110°C continuous operating temperature, meets MIL-DTL-23053/4 Class 3. Black only. UL recognized.



Size	Expand ID (Min.)	Recover ID (Max.)	Recovered Wall Nom. Thick.		Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
			Total Wall	Melt. Wall		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
3/16"	0.187"	0.062"	0.040"	0.020"	● EPS-300-3/16-48-BLACK	12	48'	95F7671	86.39	● EPS-300 3/16BLK6I	24	12'	97M6834	33.62
1/4"	0.250"	0.080"	0.040"	0.020"	● EPS-300-1/4-48-BLACK BX	12	48'	95F7672	106.96	● EPS-300 1/4" BL 6" PC	20	10'	95F7679	33.62
3/8"	0.375"	0.120"	0.055"	0.025"	● EPS-300-3/8-48-BLACK	12	48'	97M6838	121.02	● EPS-300 3/8" BL 6" PC	16	8'	97M6835	33.62
1/2"	0.500"	0.160"	0.070"	0.030"	● EPS-300-1/2-48-BLACK BX	12	48'	95F7674	141.42	● EPS-300-1/2-BLACK	14	7'	97M6836	31.16
3/4"	0.750"	0.250"	0.085"	0.035"	● EPS-300-3/4-48-BLACK SM	5	20'	95F7675	82.89	● EPS-300-3/4-BLACK	12	6'	97M6837	31.16
1"	1.000"	0.320"	0.100"	0.040"	● EPS-300-1-48-BLACK*SM	5	20'	95F7676	122.60	● EPS-300 1 BLK 6IN	8	4'	97M6832	31.16
1 1/2"	1.500"	0.510"	0.100"	0.040"	● EPS-300-1 1/2-48-BLACK	5	20'	95F7677	193.42	● EPS-300 1 1/2" BL 6" PC	4	2'	97M6833	33.16

(6388)

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(146836)

HEAT-SHRINK TUBING

EPS-400 SERIES (4:1) SHRINK RATIO, ADHESIVE-LINED, SEMI-RIGID POLYOLEFIN HEAT-SHRINK TUBING

EPS-400 series tubing provides one step environmental protection in the same way as EPS-300 series, order separately on page 1237, but a thicker meltable inner wall makes it ideal for sealing multiple wire bundles. 4:1 shrink ratio helps seal uneven surfaces such as in-line components. Heavy outer wall provides tough mechanical protection. -55°C to +110°C continuous operating temperature. Black only. UL recognized.



Size	Expand ID (Min.)	Recover ID (Max.)	Recovered Wall Nom. Thick.		Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
			Melt. Wall	Outer Wall		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
0.300"	0.300"	0.060"	0.033"	0.028"	...	...	...	...	...	● EPS-400 .300" BL 6" PC	22	11'	97M6839	40.16
0.350"	0.350"	0.080"	0.038"	0.033"	...	...	...	...	...	● EPS-400 .350" BL 6" PC	20	10'	97M6840	40.16
0.450"	0.450"	0.105"	0.043"	0.053"	● EPS-400-.450-48-BLACK SM	12	48'	95F7687	173.34	● EPS-400 .450" BL 6" PC	16	8'	97M6841	40.16
0.700"	0.700"	0.175"	0.060"	0.055"	● EPS-400-.700-48-BLACK-BOX	5	20'	97M6843	101.67	● EPS-400 .700" BL 6" PC	12	6'	97M6842	40.16

(6389)

SFTW-203 SERIES (3:1) SHRINK RATIO, POLYOLEFIN HEAT-SHRINK TUBING

SFTW-203 series very flexible, thin wall, polyolefin heat-shrink tubing offers an excellent balance of electrical, physical and chemical properties for cable splices, wire marking and component packaging. 3:1 shrink ratio permits tubing to slide over connectors and in-line components, allowing for easy cable repair. Low-shrink temperature (100°C) minimizes damage to temperature-sensitive components. Meets MIL-DTL-23053/5 specifications. UL recognized E48398, LR 38227 CSA certified. Available in black only. Sold in packages of 4' lengths.



Mfg. Part No.	Size	Expanded ID (Minimum)	Recovered ID (Maximum)	Recovered Wall (Nominal)	Lengths per Pkg.	Total Footage	Stock No.	Price per Pkg.
● SFTW-203-1/8-48-BLACK	1/8"	0.118"	0.039"	0.022"	25	100'	97F7743	31.48
● SFTW-203-1/4-48-BLACK	1/4"	0.236"	0.079"	0.026"	12	48'	97F7744	22.94
● SFTW-203-3/8-48-BLACK	3/8"	0.354"	0.118"	0.030"	12	48'	97F7745	25.63
● SFTW-203-3/4-48-BLACK	3/4"	0.709"	0.236"	0.030"	12	48'	97F7747	38.54
● SFTW-203-1-48-BLACK	1"	0.945"	0.315"	0.039"	5	20'	97F7748	24.01
● SFTW-203-1 1/2-48-BLACK	1-1/2"	1.535"	0.512"	0.045"	5	20'	97F7749	44.73

(6471)

SFTW-202-GYS SERIES (2:1) SHRINK RATIO, VERY-FLEXIBLE, FLAME-RETARDANT, STRIPED, POLYOLEFIN HEAT-SHRINK TUBING

SFTW-202-GYS series very-flexible, flame-retardant, thin wall polyolefin heat-shrink tubing is specially developed for electrical equipment ground lead applications and a wide variety of industrial and military applications. Extra-flexibility and low-shrink temperature of 100°C makes it ideal for shrink-fit jacketing and insulation of flexible wire bundles and temperature sensitive components. Dual-color striping of green and yellow serves as identification for ground wires. Manufactured using a special co-extrusion process ensuring the green and yellow color is fully integrated into the tubing wall. Offers excellent chemical and thermal resistance. 2:1 shrink ratio. Rated for continuous operation from -55° to 135°C. Meets performance requirements of MIL-DTL-23053/5 Class 1, and is UL recognized (file no.E48398) for flame retardance. Sold in spool sizes listed below and in packages of 4' lengths.

Just Added



Size (in.)	Expand ID (in., min.)	Recovered ID (in., max.)	Recovered Wall Nom. Thick. (in.)	Spools				4' Lengths				Price per Pkg.
				Mfg. Part No.	Spool Size (ft.)	Stock No.	Price per Spool	Mfg. Part No.	Lengths Per Pkg.	Total Footage	Stock No.	1-4
0.125	0.125	0.059	0.02	● SFTW-202-GYS-1/8 GN/YL	500	16F1715	491.82	● SFTW-202-GYS-1/8	25	100	97H4144	113.16
0.187	0.187	0.099	0.022	● SFTW-202-GYS-3/16 SPL	250	16F1716	340.92	● SFTW-202-GYS-3/16	25	100	97M7243	156.84
0.25	0.25	0.118	0.026	● SFTW-202-GYS-1/4 GN/YL	200	16F1717	301.21	● SFTW-202-GYS-1/4	12	48	97H4143	83.10
0.375	0.375	0.177	0.03	● SFTW-202-GYS-3/8 SPL	200	16F1718	334.23	● SFTW-202-GYS-3/8	12	48	97H4147	92.25
0.5	0.5	0.236	0.03	● SFTW-202-GYS 1/2 GN/YL	200	16F1719	375.51	● SFTW-202-GYS-1/2	12	48	97M7242	103.66
0.75	0.75	0.355	0.03	● SFTW-202-GYS-3/4 SPL	200	16F1720	501.76	...	...	...	...	...

(78569)

FP-301SERIES (2:1) SHRINK RATIO, MULTIPURPOSE, FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING

FP-301 series flexible heat-shrink tubing offers an excellent balance of physical, electrical and chemical properties for protecting a wide variety of electronic, electrical and mechanical applications, such as: cable splices, wire marking, harness covering, strain relief and component packaging. Rated for -55° to +135°C (+275°F) and 600V continuous operation. Self-extinguish flammability meets UL224 All-Tubing Flame Test requirements (except clear). Shrink ratio: 2:1. Specifications: UL39100, CSA LR 38227 and Military MIL-DTL-23053/5 Class 1 (opaque), Class 2 (clear). NOTE: stock numbers in table below are for black color tubing only. Colors: black and clear tubing available in all sizes listed in table below; white, red, yellow, blue and green color tubing is available in selected sizes and assortment packs; go online or call.

Just Added



Tubing Size Dia. (in.)	Expanded ID (in., Min.)	Recovered ID (in., Max.)	Recovered Wall Nom. Thick. (in.)	Stock No. Black	Spool Size (ft.)	Price per Spool	4' Lengths				6" Lengths			
							Stock No. Black	Lengths Per Pkg.	Total Footage	Price per Pkg.	Stock No. Black	Lengths Per Pkg.	Total Footage	Price per Pkg.
0.047	0.046	0.023	0.016	95F7486	100	33.30	95F7403	25	100	24.82	95F7546	40	20	11.66
0.063	0.063	0.031	0.017	95F7488	100	25.23	95F7409	25	100	25.35	97M6846	38	19	12.24
0.094	0.093	0.046	0.02	95F7494	100	26.44	95F7416	25	100	28.75	97M6856	36	18	12.24
0.125	0.125	0.062	0.02	97M6850	100	28.28	95F7423	25	100	30.44	97M6851	34	17	12.24
0.188	0.187	0.093	0.02	95F7506	100	33.64	95F7430	25	100	36.95	97M6855	30	15	11.36
0.25	0.250	0.125	0.025	95F7512	100	41.14	95F7437	12	48	23.33	97M6848	26	13	11.36
0.375	0.375	0.187	0.025	95F7518	100	45.54	97M6874	12	48	26.02	97M6857	24	12	11.36
0.5	0.500	0.250	0.025	95F7524	100	50.93	95F7451	12	48	28.15	97M6847	20	10	11.36
0.75	0.750	0.375	0.03	95F7530	50	35.12	95F7458	12	48	37.79	95F7562	14	7	11.36
1	1.000	0.500	0.035	96H9782	50	63.56	95F7464	5	20	21.86	97M6852	10	5	11.00

➔ CONTINUED ➔

HEAT-SHRINK TUBING

FP-301SERIES (2:1) SHRINK RATIO, MULTIPURPOSE, FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING (CONT.)

Tubing Size Dia. (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Recovered Wall Nom. Thick. (In.)	Stock No. Black	Spool Size (ft.)	Price per Spool	4' Lengths				6" Lengths			
							Stock No. Black	Lengths Per Pkg.	Total Footage	Price per Pkg. 1-4	Stock No. Black	Lengths Per Pkg.	Total Footage	Price per Pkg.
1.5	1.500	0.750	0.04	08N5618	50	186.63	97M6844	5	20	40.99	97M6845	6	3	12.24
2	2.000	1.000	0.045	95F7544	50	201.92	95F7476	5	20	56.60	97M6854	4	2	11.66
3	3.000	1.500	0.05	...	...	...	97M6858	2	8	45.69	97M6859	3	1.5	12.24
4	4.000	2.000	0.055	...	...	...	95F7484	2	8	59.32	98M0915	2	1	12.24

(78503)

FIT®-221 MULTIPURPOSE IRRADIATED POLYOLEFIN SHRINK TUBING



2 TO 1 SHRINK RATIO



FIT®-221 is an irradiated flexible, flame-retardant polyolefin tubing. Use for harnessing, wire bundling, strain reliefs, or any application where components must be insulated or packaged. Operating temp.: -55°C to +135°C (125°C UL/CSA), 2:1 shrinkage ratio @ 121°C. Meets SAE-AMS-DTL-23053/5, Class 1, 2. UL recognized standard 224, CSA certified standard 198 (except Clear color tubing). Colors: black and clear; also available in white, red, yellow, blue, or green; go online or call. Sold in packages of 4' and 6' lengths. Also available in spooled lengths and other cut pieces; go online or call.

4' LENGTHS

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Rec. Wall	4' Lgth. Total	Black		Clear	Price per Pkg.
					Stock No.	Stock No.		
● FIT-221-3/64	0.046"	0.023"	0.016"	100'	88K1094	37F7019		25.07
● FIT-221-1/16	0.063"	0.031"	0.017"	100'	89K7912	...		...
● FIT-221-3/32	0.093"	0.046"	0.020"	100'	37F7024	37F7014		28.97
● FIT-221-1/8	0.125"	0.062"	0.020"	100'	85K9551	37F7011		30.71
● FIT-221-3/16	0.187"	0.093"	0.020"	100'	85K9543	85K9554		37.22
● FIT-221-1/4	0.250"	0.125"	0.025"	100'	89K7913	85K9550		46.98
● FIT-221-3/8	0.375"	0.187"	0.025"	100'	89K7919	37F7017		52.19
● FIT-221-1/2	0.500"	0.250"	0.025"	20'	85K9548	37F7015		11.83
● FIT-221-3/4	0.750"	0.375"	0.030"	20'	37F7030	37F7018		15.95
● FIT-221-1	1.000"	0.500"	0.035"	20'	88K1934	88K1093		22.36
● FIT-221-1-1/2	1.500"	0.750"	0.040"	20'	37F7032	89K7911		48.94
● FIT-221-2	2.000"	1.000"	0.045"	20'	85K9552	85K9553		69.12
● FIT-221-3	3.000"	1.500"	0.050"	8'	37F7034	81F5725		61.63
● FIT-221-4	4.000"	2.000"	0.055"	8'	37F7035	85K9557		89.52

6" LENGTHS

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Rec. Wall	6" Lgth. Total	Black		Clear	Price per Pkg.
					Stock No.	Stock No.		
● FIT-221-3/64	0.046"	0.023"	0.016"	20'	85K9556	37F6980		16.28
● FIT-221-1/16	0.063"	0.031"	0.017"	18'	37F6990	37F6981		16.28
● FIT-221-3/32	0.093"	0.046"	0.020"	16'	37F6991	37F6982		16.28
● FIT-221-1/8	0.125"	0.062"	0.020"	14'	89K7914	89K7915		16.28
● FIT-221-3/16	0.187"	0.093"	0.020"	12'	86K1446	06M3839		16.28
● FIT-221-1/4	0.250"	0.125"	0.025"	10'	06M3833	37F6985		16.28
● FIT-221-3/8	0.375"	0.187"	0.025"	8'	88K1089	89K7920		16.28
● FIT-221-1/2	0.500"	0.250"	0.025"	7'	37F6996	86K8692		16.28
● FIT-221-3/4	0.750"	0.375"	0.030"	6'	88K1088	86K8693		16.28
● FIT-221-1	1.000"	0.500"	0.035"	4'	85K9534	37F6963		16.16
● FIT-221-1-1/2	1.500"	0.750"	0.040"	2.5'	37F6999	86K8689		16.28
● FIT-221-2	2.000"	1.000"	0.045"	1.5'	37F7000	37F6965		14.94
● FIT-221-3	3.000"	1.500"	0.050"	1'	86K8690	85K9535		16.26

(6504)

FIT®-321 MEDIUM-WALL, ADHESIVE-LINED, IRRADIATED (3:1) POLYOLEFIN SHRINK TUBING



3 TO 1 SHRINK RATIO



FIT®-321 offers 3:1 shrink ratio at 110°C. Meets SAE-AMS-DTL-23053/4, Class 3. Melttable encapsulating adhesive inner wall. Water resistant. Excellent bonding to substrates. Flexible flame-retardant outer wall. Uses include: replacement of potting/molding compounds; strain relief for electrical connections; cable-to-connector transitions. Sold in packages of 4' (1.219m) or 6' (152.4mm) lengths.

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Rec. Wall	4' Lgth. Tot.	Stock No.	Price per Pkg.	6" Lgth. Tot.	Stock No.	Price per Pkg.
● FIT-321-1/8	0.120"	0.040"	0.040"	100'	37F7050	283.01	14'	37F6943	67.11
● FIT-321-1/4	0.240"	0.080"	0.040"	100'	37F7051	430.85	10'	89K7905	67.11
● FIT-321-1/2	0.470"	0.160"	0.070"	20'	37F7052	113.48	7'	85K9537	70.80

➔ CONTINUED ➔

FIT®-321 MEDIUM-WALL, ADHESIVE-LINED, IRRADIATED (3:1) POLYOLEFIN SHRINK TUBING (CONT.)

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Rec. Wall	4' Lgth. Tot.	Stock No.	Price per Pkg.	6" Lgth. Tot.	Stock No.	Price per Pkg.
● FIT-321-1	0.940"	0.320"	0.100"	20'	85K9536	222.64	4'	89K7904	67.11
● FIT-321-1-1/2	1.570"	0.510"	0.100"	20'	37F7054	379.59	2.5'	89K7928	67.11

(6506)

FIT®-300 SURFACE IRRADIATED/DUAL EXTRUDED POLYOLEFIN SHRINK TUBING



3 TO 1 SHRINK RATIO



6 TO 1 SHRINK RATIO

FIT®-300 tough outer wall shrinks, inner wall melts and seals; operating temperature 110°C, 3:1 to 6:1 shrinkage ratio depending on size. Used for component encapsulation, end cap transitions, connector strain relief. Meets SAE-AMS-DTL-23053/4, Class 1. UL recognized standard 224. Sold in packages of 4' (1.219m) or 6' (152.4mm) lengths.

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Rec. Wall	4' Lgth. Tot.	Stock No.	Price per Pkg.	6" Lgth. Tot.	Stock No.	Price per Pkg.
● FIT-300-1/8	0.125"	0.023"	0.038"	100'	37F7063	206.32	7'	86K8694	25.28
● FIT-300-3/16	0.187"	0.060"	0.043"	100'	85K9568	245.52	6'	37F6957	20.85
● FIT-300-1/4	0.250"	0.080"	0.047"	100'	37F7065	280.86	5'	86K1454	20.85
● FIT-300-3/10	0.300"	0.050"	0.110"	100'	37F7069	715.26	2'	37F6962	19.73
● FIT-300-3/8	0.375"	0.135"	0.050"	100'	37F7066	342.29	4'	86K8695	25.28
● FIT-300-1/2	0.500"	0.195"	0.055"	20'	88K1097	82.80	3'	86K1453	25.28
● FIT-300-3/4	0.750"	0.313"	0.065"	20'	37F7068	126.60	2'	37F6961	20.85

(6505)

FIT®-650 CHEMICAL- AND TEMPERATURE-RESISTANT IRRADIATED VITON® HEAT SHRINKABLE TUBING



2 TO 1 SHRINK RATIO



Applications include chemical production, military electronics/aircraft and hostile environments that require flexibility. FIT® 650 series is ideal for extreme temperatures -40° to +200°C and for chemical resistance. Shrinkage ratio: 2:1 at 120°C. Color: Black. Sold in 100' spools.

Mfg. Part No.	Min. Supp. I.D. (in.)	Max. Rec. I.D. (in.)	Nom. Rec. Wall (in.)	Stock No.	Price per Spool
● F6503/16 BK005	0.187	0.093	0.033	2885932	1286.83
● F6503/4 BK005	0.750	0.375	0.042	2885933	2710.11
● F6503/8 BK005	0.375	0.187	0.033	2885934	1213.20

NOTE: Viton® is a registered trademark of DuPont Performance Elastomers, LLC (83033)



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(148833)

HEAT-SHRINK TUBING

FIT®-600 HIGHLY-FLEXIBLE
IRRADIATED ELASTOMER
SHRINK TUBING

FIT®-600 is a highly flexible irradiated elastomer tubing with outstanding abrasion resistance properties. For outdoor use as a cable jacketing and harness material where maximum abrasion protection is required. Shrinkage ratio: approximately 1.75 to 1 at 130°C. Does not contain polychloroprene/neoprene, but meets physical properties of SAE-AMS-DTL-23053/1, Class 2 and MIL-R-46846, Type 1, Class 1. Operating temperature: -75°C to +120°C. Color: black. **Sold in spools of 25'.**

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Wall Thick.	Stock No.	Price per Spool
● F6001/4 BK008	0.250"	0.143"	0.035"	06M3846	131.48
● F6003/8 BK008	0.375"	0.214"	0.040"	96K2357	156.82
● F6001/2 BK008	0.500"	0.286"	0.048"	06M3845	173.78
● F6005/8 BK008	0.625"	0.357"	0.052"	85K9570	196.22
● F6003/4 BK008	0.750"	0.428"	0.057"	97F8072	218.10
● F6001IN BK008	1.000"	0.570"	0.070"	97F8073	253.44
● F6002IN BK008	2.000"	1.140"	0.110"	97F8074	612.52

(6405)

FIT®-621 HIGH SHRINK-RATIO,
HEAVY-WALL, ADHESIVE-LINED,
IRRADIATED POLYOLEFIN HEAT-
SHRINK TUBING

FIT®-621 tubing shrinks approximately 6:1 at 120°C. Length is 6". Moisture protection guaranteed. Suitable for indoor/outdoor applications, direct burial, large-to-small connector-to-cable protection, corrosion protection of metal parts, and underground utility splice protection. Heavy-duty abrasion resistance and UV resistance. Color: black. **Sold in packages of 3.**

Mfg. Part No.	Supplied I.D.	Recovered I.D.	Stock No.	Price per Pkg.
● F6215/8 BK072	0.60"	0.150"	88K2723	88.46
● F62111/4 BK072	1.25"	0.220"	86K8696	99.23
● FIT-621-2-1/2 BK072	2.50"	0.500"	50F7675	109.62
● F6213 BK072	3.00"	0.750"	89K7929	154.89

(6470)

FIT®-FLEX HIGHLY-FLEXIBLE
IRRADIATED SILICONE
RUBBER SHRINK TUBING

FIT®-Flex provides strain relief, terminal insulation, cable jacketing, and wire harnessing protection in applications where flexibility and durability are mandatory. Durable in wide range of temperature extremes. Flame retardant. Passes UL VW-1 flame test. Resists extreme heat shock. Outstanding thermal insulator. Suitable sheathing for fiber-optic bundles. Other applications include: electrical appliances, medical equipment, robotic, and other moving equipment. Provides outstanding strain relief and thermal insulation. Conforms to peculiar shapes and sizes. UL Standard 224. Operating temperature: -75°C to +200°C (90°C UL). Color: gray. **Sold in spools of 25'.** Also available in 100' spools; go online or call.

Mfg. Part No.	Minimum Supplied	Maximum Recovered	Nominal Wall Thick.	Stock No.	Price per Spool
● FFLEX2 SL008	0.112"	0.070"	0.040"	05F1638	265.26
● FFLEX3 SL008	0.190"	0.116"	0.040"	05F1639	344.56
● FFLEX5 SL008	0.305"	0.184"	0.040"	89K7901	443.45
● FFLEX6 SL008	0.391"	0.240"	0.060"	89K7902	525.70
● FFLEX12 SL008	0.825"	0.475"	0.080"	05F1643	1017.61
● FFLEX20 SL008	1.217"	0.790"	0.080"	05F1644	1784.04

(9934)

FIT®-221 IRRADIATED
POLYOLEFIN (2:1) SHRINK
TUBING IN PRE-CUT 1" PIECES

Applications include strain reliefs and electrical insulation. Color: black. UL recognized, CSA certified. **Sold in packages of 1000 one inch pieces.**

Mfg. Part No.	Min. Supplied I.D.	Max. Recovered I.D.	Stock No.	Price per Pkg.
● F2213/16 BK147	3/16"	0.093"	48F7042	102.00
● F2211/4 BK147	1/4"	0.125"	48F7043	130.48
● F2213/8 BK147	3/8"	0.187"	48F7044	144.91

(47074)

FIT®-321V, LOW SHRINK
TEMPERATURE, FLAME-
RETARDANT IRRADIATED (3:1)
POLYOLEFIN SHRINK TUBING

Use for wire harnesses, wire splices, insulation of terminals, and cable protection/repair. FIT®-321V has a shrinkage ratio of approximately 3 to 1 at 90°C. Operating temperature: -55°C to 125°C. UL Standard 224, CSA Standard 198, passes UL VW-1 Flame Test. Colors: black and white. Other colors available; go online or call.

Mfg. Part No.	Min. Supplied I.D.	Max. Expanded	Nom. Rec. Wall	Color	Spool Size	Stock No.	Price per Spool
● F321V3/32 BK002	0.093"	0.031"	0.023"	Black	500'	83F7727	189.53
● F321V1/8 BK002	0.125"	0.042"	0.023"	Black	500'	83F7729	187.46
● F321V1/8 WH002	0.125"	0.042"	0.023"	White	500'	83F7730	204.49
● F321V1/4 BK003	0.250"	0.083"	0.023"	Black	250'	83F7731	128.25
● F321V1/4 WH003	0.250"	0.083"	0.023"	White	250'	83F7732	128.25
● F321V3/8 BK004	0.375"	0.125"	0.023"	Black	200'	83F7733	107.85
● F321V3/8 WH004	0.375"	0.125"	0.023"	White	200'	83F7734	109.05
● F321V1/2 BK016	0.500"	0.166"	0.024"	Black	150'	83F7735	96.46
● F321V1/2 WH016	0.500"	0.166"	0.024"	White	150'	83F7736	96.89
● F321V3/4 BK003	0.750"	0.250"	0.024"	Black	250'	83F7737	215.30
● F321V3/4 WH003	0.750"	0.250"	0.024"	White	250'	83F7738	215.30
● F321V1IN BK003	1.000"	0.330"	0.024"	Black	250'	85K9572	321.64
● F321V1IN WH003	1.000"	0.330"	0.024"	White	250'	85K9538	306.30

(34172)

FIT®-221V LOW SHRINK
TEMPERATURE, FLAME-
RETARDANT, IRRADIATED
POLYOLEFIN SHRINK TUBING

FIT®-221V is radiation cross-linked polyolefin heat shrinkable tubing. Passes VW-1 vertical wire flame test. For electrical insulation, harness bundling, and cable jacketing. Shrinkage ratio: 2:1 at 90°C. Operating temperature: -40°C to +125°C (125°C UL and CSA). Color: black. Meets SAE-AMS-DTL-23053/5, Class 1, 3. UL recognized standard 224 and CSA certified standard 198. Also available in white, red, yellow, blue, or green; go online or call. **Sold in packages of 4' (1.219m) and 6' (1.524m) lengths.**

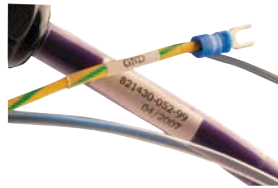
Mfg. Part No.	Min. Supp. I.D. (in.)	Max. Rec. I.D. (in.)	Nom. Rec. Wall (in.)	4' Lgths. Total	Stock No.	Price per Pkg.	6" Lgths. Total	Stock No.	Price per Pkg.
● FIT-221V-3/64	0.046	0.023	0.016	100'	37F7036	27.69	20'	37F7003	16.91
● FIT-221V-1/16	0.063	0.031	0.017	100'	85K9558	28.90	18'	89K7922	17.83
● FIT-221V-3/32	0.093	0.046	0.020	100'	29M6900	32.09	16'	37F7005	16.91
● FIT-221V-1/8	0.125	0.062	0.020	100'	37F7039	33.93	14'	06M3840	17.83
● FIT-221V-3/16	0.187	0.093	0.020	100'	37F7040	41.06	12'	89K7923	17.83
● FIT-221V-1/4	0.250	0.125	0.025	100'	37F7041	51.87	10'	37F7008	17.83
● FIT-221V-3/8	0.375	0.187	0.025	100'	85K9562	58.74	8'	37F7009	16.91
● FIT-221V-1/2	0.500	0.250	0.025	20'	37F7043	13.00	7'	37F7010	15.76
● FIT-221V-3/4	0.750	0.375	0.030	20'	37F7044	17.60	6'	06M3834	16.91
● FIT-221V-1	1.000	0.500	0.035	20'	37F7045	24.73	4'	28B5314	16.91
● FIT-221V-1-1/2	1.500	0.750	0.040	20'	17C1428	54.05	2.5'	37F6939	17.55
● FIT-221V-2	2.000	1.000	0.045	20'	37F7047	76.00	1.5'	37F6940	17.83

(6503)

HEAT-SHRINK TUBING

FIT®-CLEAR TRANSPARENT, HIGHLY FLAME-RETARDANT, HEAT-SHRINK TUBING

- "Crystal Clear" even after application — perfect for visual inspection and identification
- Ideal in applications where flame retardancy is critical
- Resistant to heat, chemicals, mechanical-abrasion and cut-through
- Low recovery temperature (150°C) saves installation time and protects underlying substrate from excessive heat
- Passes UL VW-1 Flame Test
- UL recognized



2 to 1 SHRINK RATIO

FIT®-CLEAR series polyvinylidene fluoride (PVDF) based, transparent heat-shrink tubing offers a 2-to-1 shrink ratio at the low shrink temperature of 150°C. Passes UL VW-1 flame retardancy test, meets UL Standard 224 and meets or exceeds the requirements of SAE-AMS-DTL-23053/18, Class 1. Applications include automotive wiring, jacketing for resistors, capacitors, fuses and other components, high-temperature, caustic and chemical environments, wire markers, and wire insulation and component stress relief. Just right for use with **XTRA•GUARD® 4** and **XTRA•GUARD® 5** cable; ordered separately on pages 1170-1171. Operating temperature: -55° to +175°C. Color: clear. **Sold in spool sizes indicated in table below.**

Mfg. Part No.	Min. Supplied I.D. (in.)	Max. Rec. I.D. (in.)	Nom. Rec. Wall (in.)	Stock No.	Spool Size (ft.)	Price per Spool
● FIT-CLEAR-3/64	0.046	0.023	0.01	42M5280	100	150.40
● FIT-CLEAR-1/16	0.063	0.031	0.01	42M5270	100	163.73
● FIT-CLEAR-3/32	0.093	0.046	0.01	42M5278	100	191.89
● FIT-CLEAR-1/8	0.125	0.062	0.01	42M5273	100	209.41
● FIT-CLEAR-3/16	0.187	0.093	0.01	42M5277	100	325.62
● FIT-CLEAR-1/4	0.25	0.125	0.012	55M4406	100	390.23
● FIT-CLEAR-3/8	0.375	0.187	0.012	42M5281	100	538.58
● FIT-CLEAR-1/2	0.5	0.25	0.012	42M5271	50	394.17
● FIT-CLEAR-3/4	0.75	0.375	0.017	42M5279	50	509.38
● FIT-CLEAR-1	1	0.5	0.019	42M5274	50	827.51
● FIT-CLEAR-1-1/2	1.5	0.75	0.02	42M5275	50	1060.61

(97263)

FIT®-SLV SERIES SHRINKABLE SOLDERING SLEEVES

FIT®-SLV series soldering sleeve is a one-piece, shield ground termination system that features a strong, low-cost soldered connection which is completely insulated and encapsulated. Sleeve contains precisely engineered preform of fluxed solder and thermoplastic inserts at each end and when placed over a cable shield and heated, the solder melts

➤ CONTINUED ➤

and flows, connecting the ground lead and shield. Outer sleeve shrinks and the thermoplastic inserts melt, encapsulating the termination, so that the result is a perfectly soldered, strain-relieve and environmentally protected termination. Available in two different operating temperatures 105°C and 125°C, with the soldering melt temperatures being: 145°C and 180°C. Shrinkage ratio: 3:2 at 175°C.

105°C SERIES

Mfg. Part No.	E Max. (in.)	Nom Rec. Wall (in.)	Pkg. of	Stock No.	Price per Pkg.
FSLV12 CL078	0.125	0.055	25	28B5212	61.00
FSLV12 CL076	0.125	0.055	100	57J2131	183.82
FSLV14 CL078	0.200	0.100		66F2456	64.20
FSLV16 CL078	0.300	0.160	25	66F2458	84.76
FSLV16 CL076	0.300	0.160	100	66F2457	257.86

125°C SERIES

FSLV22 CL076	0.125	0.055	100	66F2459	153.85
FSLV22 CL078	0.125	0.055	25	66F2460	53.15
FSLV24 CL078	0.200	0.100	25	66F2462	61.16
FSLV24 CL076	0.200	0.100	100	66F2461	185.37
FSLV26 CL078	0.300	0.160	25	28B5222	81.11
FSLV26 CL076	0.300	0.160	100	66F2463	256.41

(83040)

THERMO-SHRINK® THIN-WALL POLYOLEFIN HEAT-SHRINK TUBING

Handy dispenser of black polyolefin heat-shrink tubing fits conveniently in tool pouch or tool box. 2:1 shrink ratio. **Sold in 4' spools.**

Mfg. Part No.	Size (in.)	Min. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Recovered Wall Thickness Nom. (in.)	Stock No.	Price per Spool
46-600	3/63	0.046	0.023	0.016	50F3171	16.16
46-601	1/16	0.063	0.031	0.017	50F3172	16.77
46-602	3/32	0.093	0.046	0.02	50F3173	17.69
46-603	1/8	0.125	0.062	0.02	50F3174	18.11
46-604	3/16	0.187	0.093	0.02	50F3175	18.49
46-605	1/4	0.25	0.125	0.025	50F3176	19.05
46-606	5/16	0.312	0.156	0.025	50F3177	20.00
46-607	3/8	0.375	0.187	0.025	50F3178	21.15
46-608	1/2	0.5	0.25	0.025	50F3179	21.39
46-609	3/4	0.75	0.375	0.03	50F3180	26.94
46-610	1	1	0.5	0.035	50F3181	38.85

(5695)

FPS SERIES (2:1) SHRINK RATIO, GENERAL-PURPOSE, FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING

FPS series general-purpose, flexible polyolefin heat-shrink tubing is fungus/chemical-, split-, and cold flow-resistant. Mechanically-tough and easily marked. Ideal for use as electrical insulation over cable splices and termination, lightweight harness covering and wire bundling. Shrink ratio: 2:1. Minimum shrink temperature: 100°C. Operating temperature range: -55°C to +135°C. Color: black. Meets MIL-I-23053/5, Class 1, Class 2 and AMS 3636, AMS 3637 requirements. **Sold in spools and in bags of 4' and 6' lengths.**

Size	Recom. Useable ID Range	Recovered Nom. Wall Thickness	Spool Size	Stock No.	Price per Spool	4' Lengths		6' Lengths	
						Lengths Per Bag	Total Ft.	Lengths Per Bag	Total Ft.
3/64"	0.023 to 0.046"	0.016"	100'	84N583	25.90	25	100'	40	240'
1/16"	0.031 to 0.063"	0.017"	100'	84N584	27.94	25	100'	36	216'
3/32"	0.046 to 0.093"	0.020"	100'	84N585	28.83	25	100'	32	192'
1/8"	0.062 to 0.125"	0.020"	100'	84N586	34.21	25	100'	28	168'
3/16"	0.093 to 0.187"	0.020"	100'	84N587	35.76	25	100'	24	144'
1/4"	0.125 to 0.250"	0.025"	100'	84N588	42.37	25	100'	20	120'
3/8"	0.187 to 0.375"	0.025"	100'	84N589	45.55	25	100'	16	96'
1/2"	0.250 to 0.500"	0.025"	100'	84N590	51.70	5	20'	14	84'
3/4"	0.375 to 0.750"	0.030"	50'	84N591	32.23	5	20'	12	72'
1"	0.500 to 1.000"	0.035"	50'	84N592	44.84	5	20'	8	48'
1 1/2"	0.750 to 1.500"	0.040"	50'	84N593	87.45	5	20'	5	25'
2"	1.000 to 2.000"	0.045"	50'	84N594	116.31	5	20'	3	15'

(6306)

HEAT-SHRINK TUBING

**VOLTREX® BRAND
HEAT-SHRINK TUBING
— 2:1 SHRINK RATIO****Just Added**

- Thin wall general purpose tubing
- Manufactured from modified radiation cross linked Polyolefin
- Flexible and able to shrink at a lower temperature
- Ideal for temperature sensitive component protection
- Flammability rating meets the automotive propagation standard MVSS3 302
- Operating temperature -40 to + 125°C
- Minimum shrink temperature 65°C
- Shrink ratio: 2:1
- Standard color black
- Rapid shrink speed
- UL recognized



Sold in spool quantities listed below.

LENGTH — 100m/328 ft. SPOOL

Mfg. Part No.	Unshrunk Dia. (mm)	Shrunk Dia. (mm)	Stock No.	Price per Spool
● HFTW13633	1.6	0.8	01P2446	15.93
● HFTW13634	2.4	1.2	01P2447	19.92
● HFTW13635	3.2	1.6	01P2448	22.09
● HFTW13636	4.8	2.4	01P2449	32.52
● HFTW13637	6.4	3.2	01P2450	32.52
● HFTW13638	9.5	4.75	01P2451	35.15

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VOLTREX® BRAND HEAT-SHRINK TUBING — 2:1 SHRINK RATIO (CONT.)

Mfg. Part No.	Unshrunk Dia. (mm)	Shrunk Dia. (mm)	Stock No.	Price per Spool
● HFTW13639	12.7	6.35	01P2452	50.03
● HFTW13640	19	9.5	01P2453	140.14
LENGTH — 50m/164 ft. SPOOL				
● HFTW13641	25.4	12.7	01P2454	92.71
● HFTW13642	38.1	19.05	01P2455	176.57
LENGTH — 25m/82 ft. SPOOL				
● HFTW13643	50.8	25.4	02P7028	80.52
LENGTH — 5m/16.4 ft. SPOOL				
● HFTW13644	1.6	0.8	01P2457	1.42
● HFTW13645	2.4	1.2	01P2458	1.67
● HFTW13646	3.2	1.6	01P2459	1.81
● HFTW13647	4.8	2.4	01P2460	2.07
● HFTW13648	6.4	3.2	01P2461	2.14
● HFTW13649	9.5	4.75	01P2462	2.90
● HFTW13650	12.7	6.35	01P2463	3.85
● HFTW13651	19	9.5	01P2464	9.45
● HFTW13652	25.4	12.7	01P2465	11.25
● HFTW13653	38.1	19.05	01P2466	22.69
● HFTW13654	50.8	25.4	01P2467	27.45

(121370)

FPF SERIES (2:1) SHRINK RATIO, FLAME-RETARDANT, FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING

Offering same electrical, physical, and chemical qualities as the **FPS series**, the **FPF series** features superior flame resistance properties. For fire-resistant component coverings and flammable wire assemblies, as well as lightweight wire harness covering, wire marking, and wire bundling. Meets MIL-L-23053/5, Class 3 requirement. UL recognized

WV-1, and CSA certified at 600V @ 125°C. Color: black. UL recognized (file E52331), CSA certified (file LR382278M). Sold in bags of 4' and 6' lengths.

Size	I.D. Range	Recovered Wall Thickness	4' Lengths				6' Lengths			
			Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
3/64"	.023 to .046"	0.016"	25	100'	90N7263	22.27	40	20'	90N7275	8.85
1/16"	.031 to .063"	0.017"	25	100'	90N7264	22.75	36	18'	90N7276	7.18
3/32"	.046 to .093"	0.020"	25	100'	90N7265	25.83	32	16'	90N7277	6.12
1/8"	.062 to .125"	0.020"	25	100'	90N7266	27.30	28	14'	90N7278	5.79
3/16"	.093 to .187"	0.020"	25	100'	90N7267	36.49	24	12'	90N7279	5.63
1/4"	.125 to .250"	0.025"	25	100'	90N7268	42.71	20	10'	90N7280	5.56
3/8"	.187 to .375"	0.025"	25	100'	90N7269	54.26	16	8'	90N7281	5.14
1/2"	.250 to .500"	0.025"	5	20'	90N7270	11.34	14	7'	90N7282	5.20
3/4"	.375 to .750"	0.030"	5	20'	90N7271	15.37	12	6'	95F7595	12.24
1"	.500 to 1.00"	0.035"	5	20'	90N7272	19.73	8	4'	90N7284	5.63
1 1/2"	.750 to 1.50"	0.040"	5	20'	90N7273	25.23	5	2.5'	90N7285	6.12
2"	1.00 to 2.00"	0.045"	5	20'	90N7274	57.25	3	1.5'	90N7286	5.33

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LTP SERIES (2:1) SHRINK RATIO, LOW-TEMPERATURE, VERY FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING

Features extra flexibility and a lower minimum shrink temperature (100°C vs. 121°C) to minimize heat exposure and possible damage to sensitive substrate materials or components. Same electrical, physical, and chemical qualities as

the **FPS series**. Meets MIL-R-46846, Type V and AMS 3587, AMS 3588 requirements. Color: black. UL recognized (file E52331), CSA certified (file LR382278M). Sold in bags of 4' and 6' lengths.

Size	I.D. Range	Recovered Wall Thickness	4' Lengths				6' Lengths			
			Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Bag	Total Footage
3/64"	.023 to .046"	0.016"	● LTP-003-4025-BLK	25	100'	50N235	34.04	● LTP-003-6040-BLK	40	20'
1/16"	.031 to .063"	0.017"	...	...	...	...	...	● LTP-004-6036-BLK	36	18'
3/32"	.046 to .093"	0.020"	...	...	...	...	...	● LTP-006-6032-BLK	32	16'
1/8"	.062 to .125"	0.020"	● LTP-008-4025-BLK	25	100'	50N238	43.73	● LTP-008-6028-BLK	28	14'
3/16"	.093 to .187"	0.023"	● LTP-012-4025-BLK	25	100'	50N239	52.10	● LTP-012-6024-BLK	24	12'
1/4"	.125 to .250"	0.028"	● LTP-016-4025-BLK	25	100'	50N240	59.45	● LTP-016-6020-BLK	20	10'
3/8"	.187 to .375"	0.028"	● LTP-024-4025-BLK	25	100'	50N241	66.27	● LTP-024-6016-BLK	16	8'
1/2"	.250 to .500"	0.028"	● LTP-032-4005-BLK	5	20'	50N242	14.98	● LTP-032-6014-BLK	14	7'
3/4"	.375 to .750"	0.033"	● LTP-048-4005-BLK	5	20'	50N243	20.00	● LTP-048-6012-BLK	12	6'
1"	.500 to 1.00"	0.035"	● LTP-064-4005-BLK	5	20'	50N244	29.04	● LTP-064-6008-BLK	8	4'
1 1/2"	.750 to 1.50"	0.040"	● LTP-096-4005-BLK	5	20'	50N245	53.49	...	...	...
2"	1.00 to 2.00"	0.045"	● LTP-128-4005-BLK	5	20'	50N246	73.19	...	...	...

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HEAT-SHRINK TUBING

PHD SERIES (2:1) SHRINK RATIO, ADHESIVE-LINED POLYOLEFIN HEAT-SHRINK TUBING



PHD series heat-shrink tubing is made of thin-walled, flame-retardant polyolefin. Features one-step, environmental protection for electronic, electrical, automotive, and marine wire splices, harness breakouts and strain reliefs. As tubing shrinks to skin-tight fit, melted adhesive covers substrate and solidifies to form permanent waterproof barrier. Has -55°C to +110°C operating range, 121°C (250°F) minimum shrink temperature, and -1 to +5% longitudinal change. Meets MIL-I-23053/4, Class 2 requirement. Color: black. UL recognized. **Sold in packages of 4' and 6' lengths.**



	Inside Diameter		Recovered Nom. Wall Thickness		4' Lengths					6" Lengths				
Size	Minimum Supplied	Maximum Recovered	Total Wall	Melttable Wall	Mfg. Part No.	Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
1/8"	0.125"	0.063"	0.027"	0.004"	● PHD-008-4025-BLK	25	100'	11C1375	87.83	● PHD-008-6028-BLK	28	14'	50N663	17.86
3/16"	0.187"	0.093"	0.027"	0.004"	● PHD-012-4025-BLK	25	100'	90N6884	140.21	● PHD-012-6024-BLK	24	12'	90N6891	18.26
1/4"	0.250"	0.125"	0.030"	0.005"	● PHD-016-4025-BLK	25	100'	90N6885	175.43	● PHD-016-6020-BLK	20	10'	90N6892	18.58
3/8"	0.375"	0.187"	0.031"	0.005"	● PHD-024-4025-BLK	25	100'	90N6886	188.29	● PHD-024-6016-BLK	16	8'	90N6893	16.53
1/2"	0.500"	0.250"	0.032"	0.006"	● PHD-032-4005-BLK	5	20'	90N6887	42.88	● PHD-032-6014-BLK	14	7'	90N6894	16.12
3/4"	0.750"	0.375"	0.037"	0.006"	● PHD-048-4005-BLK	5	20'	90N6888	42.35	● PHD-048-6012-BLK	12	6'	90N6895	16.12
1"	1.000"	0.500"	0.046"	0.008"	● PHD-064-4005-BLK	5	20'	90N6889	62.24	● PHD-064-6008-BLK	8	4'	90N6896	17.74
1 1/2"	1.500"	0.750"	0.049"	0.008"	● PHD-096-4005-BLK	5	20'	90N6890	108.91	● PHD-096-6005-BLK	5	2.5'	90N6897	19.43
2"	2.000"	1.000"	0.060"	0.015"	● PHD-128-4002-BLK	2	8'	50N664	99.71	● PHD-128-6002-BLK	2	1'	50N665	15.56

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SRM SERIES (2.5:1) SHRINK RATIO, SEMI-RIGID, MULTIPLE WALL POLYOLEFIN HEAT-SHRINK TUBING



Co-extruded and selectively cross-linked to provide melttable inner wall enabling contact between underlying surfaces. For installations that may require rework, retrofit or repair in the field. **SRM series** offers the advantage of easy removability. Ideal for one-strip approach to jacketing, encapsulating, and environmental sealing of splices, termina-

tions, and components. Capable of 2.5:1 shrink ratio, +1 to -10% longitudinal change, -55°C to +110°C operating temperature, and has +135°C (275°F) minimum shrink temperature. Meets MIL-I-23053/4, Class 1 and AMS 3634 requirements. Color: black. UL recognized (file E165738). **Sold in bags of 4' and 6' lengths.**

Size	Minimum Expanded Inside Dia.	Maximum Recover Inside Dia.	Rec. Nom. Wall Thick	Melttable Nom. Wall	4' Lengths					6' Lengths				
					Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
1/8"	0.125"	0.023"	0.038"	0.020"	● SRM-008-4025-BLK	25	100	37N332	198.61	● SRM-008-6014-BLK	14	7	37N1818	15.54
3/16"	0.187"	0.060"	0.043"	0.025"	● SRM-012-4025-BLK	25	100	37N333	227.35	● SRM-012-6012-BLK	12	6	37N1819	15.85
1/4"	0.250"	0.080"	0.047"	0.027"	● SRM-016-4025-BLK	25	100	37N334	286.71	● SRM-016-6010-BLK	10	5	37N1820	16.21
3/8"	0.375"	0.135"	0.050"	0.030"	● SRM-024-4025-BLK	25	100	37N336	319.46	● SRM-024-6008-BLK	8	4	37N1822	12.85
1/2"	0.500"	0.195"	0.055"	0.035"	● SRM-032-4005-BLK	5	20	37N337	70.23	● SRM-032-6006-BLK	6	3	37N1823	14.35
3/4"	0.750"	0.313"	0.065"	0.040"	● SRM-048-4005-BLK	5	20	37N338	121.47	...	...	...	...	...
1"	1.00"	0.400"	0.075"	0.040"	● SRM-064-4005-BLK	5	20	37N339	156.71	...	...	...	...	...

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FPHS SERIES (3:1) SHRINK RATIO, VERY FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING

Just Added



FPHS series heat-shrink tubing is made of very flexible, thin wall polyolefin, which is mechanically tough and chemical resistant. It is also easily surface printed. Ideal for insulation of flexible wire bundles and for end-terminations where the tubing must slide over a connector. Offers a low shrink temperature of 100°C which can prevent damage to temperature-sensitive substrates. Meets MIL-I-23053/5 Class 1 requirements. UL recognized (file E52331). Color: black. **Sold in bags of 4' and 6' lengths.**



Size	Minimum Expanded Inside Dia.	Maximum Recovered Inside Dia.	Recovered Nom. Wall Thickness	4' Lengths					6' Lengths				
				Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
1/16"	0.059"	0.020"	0.018"	● FPHS-004-4025-BLK	25	100'	66N9262	66.54	FPHS-004-6028	28	14'	84N601	13.86
1/8"	0.118"	0.039"	0.022"	● FPHS-008-4025-BLK	25	100'	66N9263	75.94	FPHS-008-6024	24	12'	84N602	13.49
1/4"	0.236"	0.079"	0.026"	● FPHS-016-4025-BLK	25	100'	66N9264	115.34	FPHS-016-6020	20	10'	84N603	16.09
3/8"	0.354"	0.118"	0.030"	● FPHS-024-4025-BLK	25	100'	66N9265	76.44	FPHS-024-6016	16	8'	84N604	14.66
1/2"	0.472"	0.157"	0.030"	● FPHS-032-4005-BLK	5	20'	66N9266	29.05	FPHS-032-6014	14	7'	84N605	14.45
3/4"	0.709"	0.236"	0.030"	● FPHS-048-4005-BLK	5	20'	66N9267	38.71	● FPHS-048-6012	12	6'	84N606	14.18
1"	0.945"	0.315"	0.039"	● FPHS-064-4005-BLK	5	20'	66N9268	57.94	FPHS-064-6008	8	4'	84N607	14.02
1 1/2"	1.535"	0.512"	0.045"	● FPHS-096-4005-BLK	5	20'	66N9269	107.96	FPHS-096-6005	5	2.5'	84N608	17.90

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PHS SERIES (3:1) HIGH SHRINK RATIO, ADHESIVE-LINED POLYOLEFIN HEAT-SHRINK TUBING



VOLTREX® brand



PHS series thin wall heat-shrink tubing offers the advantages of integral, multiple-wall construction. Flame-retardant, flexible polyolefin, lined with an internal layer of thermoplastic adhesive. Heat-shrinkable outer wall is radiation cross-linked, while the adhesive maintains high flow and excellent adhesion. Protects electronic components, wire splices, wire bundles, and harness breakouts. Rapidly shrinks to a skin-tight fit, forcing the melted adhesive to flow and cover the substrate. Upon cooling the adhesive solidifies, forming a permanent, non-drying, flexible and waterproof barrier. Minimum shrink temperature is 121°C (250°F). Specifications: Physical: Tensile strength of 2100 PSI, ultimate

elongation of 5%, longitudinal change of -5%, secant modulus of 14,000 PSI. Electrical: dielectric strength of 700 V/mil, volume resistivity of 10¹² ohm-cm. Chemical: corrosion-resistant, non-nutrient fungus-resistant, 0.3% water absorption. Excellent fluid resistance properties. Operating temperature range: -55° to +110°C with max. temp. (short period) of 250°C. Meets requirements of MIL-I-23053/4, Class 3 specifications. Color: black. UL recognized (file E165738). **Sold in packages of 4' and 6' lengths.**

	Inside Diameter		Recovered Nom. Wall Thickness		Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
Size	Minimum Supplied	Maximum Recovered	Total Wall	Melttable Wall		Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.		Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
1/8"	0.125"	0.040"	0.040"	0.020"	● PHS-008-4025-BLK	25	100'	66N9253	202.61	● PHS-008-6028-BLK	28	14'	66N9252	24.48
3/16"	0.187"	0.062"	0.040"	0.020"	● PHS-012-4025-BLK	25	100'	87N1370	202.61	● PHS-012-6024-BLK	24	12'	87N1377	24.48
1/4"	0.250"	0.080"	0.040"	0.020"	● PHS-016-4025-BLK	25	100'	87N1371	252.53	● PHS-016-6020-BLK	20	10'	87N1378	25.45
3/8"	0.375"	0.120"	0.055"	0.025"	● PHS-024-4025-BLK	25	100'	87N1372	291.86	● PHS-024-6016-BLK	16	8'	87N1379	23.59
1/2"	0.500"	0.160"	0.070"	0.030"	● PHS-032-4005-BLK	5	20'	87N1373	68.37	● PHS-032-6014-BLK	14	7'	87N1380	23.34
3/4"	0.750"	0.250"	0.085"	0.035"	● PHS-048-4005-BLK	5	20'	87N1374	71.82	● PHS-048-6012-BLK	12	6'	87N1381	27.43

▶ CONTINUED ▶

HEAT-SHRINK TUBING

PHS SERIES (3:1) HIGH SHRINK RATIO, ADHESIVE-LINED POLYOLEFIN HEAT-SHRINK TUBING (CONT.)

Size	Inside Diameter		Recovered Nom. Wall Thickness		Mfg. Part No.	4' Lengths				Mfg. Part No.	6' Lengths			
	Minimum Supplied	Maximum Recovered	Total Wall	Melttable Wall		Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.		Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
1"	1.000"	0.320"	0.100"	0.040"	● PHS-064-4005-BLK	5	20'	87N1375	106.20	● PHS-064-6008-BLK	8	4'	87N1382	27.31
1½"	1.500"	0.510"	0.100"	0.040"	● PHS-096-4005-BLK	5	20'	87N1376	167.56	● PHS-096-6005-BLK	5	2.5'	87N1383	33.72

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SHS SERIES (4:1) HIGH SHRINK RATIO, SEMI-RIGID, ADHESIVE-LINED POLYOLEFIN HEAT-SHRINK TUBING



SHS series medium-wall, semi-rigid, flame-retardant, flexible polyolefin with an internal layer of thermoplastic adhesive. High-flow adhesive forms a permanent, non-drying, flexible and waterproof barrier. Min. shrink temp.: 121°C. Op. temp. range: -55°C (-67°F) to 110°C (230°F). Color: black. UL recognized. Sold in packages of 4' and 6' lengths.



Size	Expanded Inside Dia. (Min.)	Recovered Inside Dia. (Max.)	Recovered Melt Wall (Nom.)	Recovered Nom. Wall Thickness	Mfg. Part No.	4' Lengths				Mfg. Part No.	6' Lengths			
						Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
0.300"	0.300"	0.060"	0.033"	0.028"	...	...	...	...	...	● SHS-300-6022-BLK	22	11'	66N9254	42.25
0.350"	0.350"	0.080"	0.038"	0.033"	...	...	...	...	...	● SHS-350-6020-BLK	20	10'	66N9255	46.48
0.450"	0.400"	0.105"	0.043"	0.053"	● SHS-450-4012-BLK	12	48'	66N9260	400.99	...	...	...	...	...
0.700"	0.700"	0.175"	0.060"	0.055"	● SHS-700-4005-BLK	5	20'	66N9261	235.16	● SHS-700-6012-BLK	12	6'	66N9257	54.87

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KYS SERIES (2:1) SHRINK RATIO, THIN-WALL KYNAR® HEAT-SHRINK TUBING



Tubing made from semi-rigid, flame-retardant polyvinylidene fluoride. Meets MIL-I-23053/8, AMS3632 requirements. Thin wall and continuous operating temp. of +175°C. Operating temp. range: -55°C to +175°C. Min. shrink temp.: 175°C (347°F). For WV-1 dielectric strength 900 V/mil. Color: clear. UL recognized. Sold in boxes of 4' and 6' lengths.

Size	Recommended Useable ID Range	Recovered Nom. Wall Thickness	Mfg. Part No.	4' Lengths				Mfg. Part No.	6' Lengths			
				Lengths Per Box	Total Footage	Stock No.	Price per Pkg.		Lengths Per Box	Total Footage	Stock No.	Price per Pkg.
⅜"	0.023-0.046"	0.010" (0.254)	● KYS-003-4025-CLR	25	100	37N1555	85.48	...	...	...	...	...
½"	0.031-0.063"	0.010" (0.254)	● KYS-004-4025-CLR	25	100	37N1556	103.03	● KYS-004-6028-CLR	28	14'	37N166	14.36
⅝"	0.046-0.093"	0.010" (0.254)	● KYS-006-4025-CLR	25	100	37N1557	93.84	● KYS-006-6024-CLR	24	12'	37N167	13.73
⅞"	0.062-0.125"	0.010" (0.254)	● KYS-008-4025-CLR	25	100	37N1558	117.31	● KYS-008-6020-CLR	20	10'	37N168	12.54
1"	0.093-0.187"	0.010" (0.254)	● KYS-012-4025-CLR	25	100	37N1559	181.32	● KYS-012-6016-CLR	16	8'	37N169	15.48
1¼"	0.125-0.250"	0.012" (0.305)	● KYS-016-4025-CLR	25	100	37N1560	221.72	● KYS-016-6012-CLR	12	6'	37N170	14.18
1½"	0.187-0.375"	0.012" (0.305)	● KYS-024-4025-CLR	25	100	37N1561	269.27	● KYS-024-6008-CLR	8	4'	37N171	11.23
2"	0.250-0.500"	0.012" (0.305)	● KYS-032-4005-CLR	5	20	37N1562	67.01	● KYS-032-6004-CLR	4	2'	37N172	8.10
2½"	0.375-0.750"	0.017" (0.431)	● KYS-048-4005-CLR	5	20	37N1563	122.73	● KYS-048-6002-CLR	2	1'	37N173	7.50

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SST SERIES (1.67:1) SHRINK RATIO FEP TEFLON® HEAT-SHRINK TUBING



Chemical and thermal characteristics of FEP (fluorinated ethylene propylene) Teflon®, an outstanding electrical insulator that offers resistance to many chemicals except molten alkali metals and fluorine. Has the ability to partially shrink at 150°F with complete recovery at 350°F. Use on soldering joints, parts, components, fittings of plastic, metal, and wood. Meets MIL-I-23053/11 specifications. Operating temperature range: -75°C to +200°C. Color: clear. Sold in bags of 2' and 6' lengths.



Size	Recommended Useable ID Range	Recovered Nom. Wall Thickness	Mfg. Part No.	2' Lengths				Mfg. Part No.	6' Lengths			
				Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.		Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
⅜"	0.056-0.093"	0.008"	● SST-006-2050-CLR	50	100	37N295	220.90	● SST-006-6025-CLR	25	12.5'	92N5995	41.02
½"	0.075-0.125"	0.010"	● SST-008-2050-CLR	50	100	37N296	182.89	● SST-008-6025-CLR	25	12.5'	92N5996	34.43
⅝"	0.115-0.188"	0.010"	● SST-012-2025-CLR	25	50	37N297	99.86	● SST-012-6025-CLR	25	12.5'	92N5997	37.36
⅞"	0.150-0.250"	0.010"	● SST-016-2025-CLR	25	50	37N298	109.00	● SST-016-6025-CLR	25	12.5'	92N5998	40.29
1"	0.225-0.375"	0.012"	● SST-024-2010-CLR	10	20	37N299	57.20	● SST-024-6010-CLR	10	5.0'	92N5999	21.10
1¼"	0.300-0.500"	0.015"	● SST-032-2010-CLR	10	20	37N300	82.63	● SST-032-6010-CLR	10	5.0'	92N6000	28.72
1½"	0.450-0.750"	0.020"	● SST-048-2005-CLR	5	10	37N301	73.84	● SST-048-6010-CLR	10	5.0'	92N6001	52.45
2"	0.600-1.000"	0.025"	● SST-064-2005-CLR	5	10	37N302	124.53	● SST-064-6010-CLR	10	5.0'	92N6002	84.68
2½"	0.900-1.500"	0.030"	● SST-096-2001-CLR	1	2	37N303	33.64	● SST-096-6005-CLR	5	2.5'	92N6003	57.14
3"	1.200-2.000"	0.030"	● SST-128-2001-CLR	1	2	37N304	36.22	● SST-128-6005-CLR	5	2.5'	92N6004	61.53

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TTS SERIES (2:1) SHRINK RATIO, THIN WALL, PTFE TEFLON® HEAT-SHRINK TUBING



TTS series heat-shrink tubing constructed of PTFE (Polytetrafluoroethylene) Teflon®, an outstanding electrical insulator that offers resistance to many chemicals except molten alkali metals and fluorine. Shrink temperature: 327°C (625°F).

Operating temperature range: -75°C to +250°C. Meets MIL-I-23053/12, Class 3 specifications. Color: natural. Sold in packages of 2' and 6' lengths.

AWG	Recommended Useable ID Range	Recovered Nom. Wall Thickness	Mfg. Part No.	2' Lengths				Mfg. Part No.	6' Lengths			
				Lengths per Pkg.	Total Footage	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
16	0.061-0.093"	0.012"	● TTS-S16-2050-NAT	50	100	37N1632	222.11	● TTS-S16-6016-NAT	16	8'	81N2701	23.17
14	0.072-0.120"	0.012"	● TTS-S14-2050-NAT	50	100	37N1633	222.47	● TTS-S14-6014-NAT	14	7'	81N2702	21.16
12	0.089-0.150"	0.012"	● TTS-S12-2025-NAT	25	50	37N1634	120.81	● TTS-S12-6014-NAT	14	7'	81N2703	23.47
10	0.112-0.191"	0.012"	● TTS-S10-2025-NAT	25	50	37N1635	139.84	● TTS-S10-6012-NAT	12	6'	81N2704	21.82
8	0.141-0.240"	0.015"	● TTS-S08-2025-NAT	25	50	37N1636	233.17	● TTS-S08-6010-NAT	10	5'	81N2705	31.19
6	0.178-0.302"	0.015"	● TTS-S06-2010-NAT	10	20	37N1637	109.08	● TTS-S06-6008-NAT	8	4'	81N2706	30.10

➔ CONTINUED ➔

HEAT-SHRINK TUBING

TTS SERIES (2:1) SHRINK RATIO, THIN WALL, PTFE TEFLON® HEAT-SHRINK TUBING (CONT.)

AWG	Recommended Useable ID Range	Recovered Nom. Wall Thickness	2' Lengths					6" Lengths				
			Mfg. Part No.	Lengths per Pkg.	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
4	0.224-0.370"	0.015"	● TTS-S04-2010-NAT	10	20	37N1638	127.68	● TTS-S04-6006-NAT	6	3	81N2707	26.87
2	0.278-0.430"	0.015"	● TTS-S02-2010-NAT	10	20	37N1639	153.22	● TTS-S02-6004-NAT	4	2	81N2708	20.62
0	0.347-0.470"	0.015"	● TTS-S00-2010-NAT	10	20	37N1640	184.84	● TTS-S00-6003-NAT	3	1.5	81N2709	19.52

(6301)

TFM SERIES (2:1) SHRINK RATIO, DUAL-WALL, TEFLON® HEAT-SHRINK TUBING

TFM series heat-shrink tubing offers outstanding electrical, chemical, and mechanical properties of Teflon®. Outer wall PTFE, inner wall FEP. Operating temperature range: -75°C to +230°C. Shrink temperature: 327°C (627°F). Service temperature: 450°F. Color: natural. **Sold in packages of 2' and 6' lengths.**

VOLTREX®
brand

Size	Recommended Useable ID Range	Recovered Nom. Wall Thickness	2' Lengths					6" Lengths				
			Mfg. Part No.	Lengths per Pkg.	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths per Pkg.	Total Footage	Stock No.	Price per Pkg.
3/32"	0.000-0.036"	0.023"	...	...	...	...	...	● TFM-002-6025-NAT	25	12.5	92N6005	48.30
1/16"	0.000-0.060"	0.028"	...	...	...	...	...	● TFM-004-6025-NAT	25	12.5	92N6006	70.04
1/8"	0.000-0.130"	0.032"	...	...	...	...	...	● TFM-008-6025-NAT	25	12.5	92N6007	107.07
3/16"	0.062-0.190"	0.035"	● TFM-012-2025-NAT	25	50	37N318	376.74	● TFM-012-6025-NAT	25	12.5	92N6008	140.88
1/4"	0.125-0.250"	0.035"	● TFM-016-2025-NAT	25	50	37N319	231.20	● TFM-016-6010-NAT	10	5.0	92N6009	76.47
3/8"	0.312-0.450"	0.055"	● TFM-024-2010-NAT	10	20	37N320	461.03	● TFM-024-6010-NAT	10	5.0	92N6010	161.14

(6302)

(4:1) HIGH SHRINK RATIO, SEMI-RIGID, PTFE TEFLON® HEAT-SHRINK TUBING

PTFE (Polytetrafluoroethylene) Teflon® tubing is the most difficult of the four tubing materials to shrink because of the extreme shrink temperature. The most reliable way to shrink PTFE is in a controlled oven temperature. Extreme care must be exercised in heating PTFE tubing during the shrinking process. PTFE shrink tubing will become completely clear when it reaches the gel state. PTFE will completely recover to its specified size provided a slow cooling process is

allowed. Shrink temperature: 625°F/327°C. Continuous use temperature range: -100°F to +500°F (-75°C to +250°C). Overheating will damage the tubing, so do not heat above 700°F/327°C. Meets MIL-I-23053/12 Class 5, ASTM-D-2092 Type I, AMS3584. Color: natural. **Sold in packages of 4' and 6' lengths.**



Size	Minimum Expanded Inside Dia.	Maximum Recovered Inside Dia.	Recovered Nom. Wall Thickness	4' Lengths					6' Lengths				
				Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
5/16"	0.078"	0.025"	0.009"	● 8416-0887	25	100'	16N2363	214.51	● 3494	25	12.5	92N6012	40.39
1/8"	0.125"	0.037"	0.010"	● 8416-0888	25	100'	16N2364	149.38	● 3495	25	12.5	92N6013	27.83
3/16"	0.188"	0.050"	0.012"	● 8416-0889	25	100'	16N2365	153.48	● 3496	25	12.5	92N6014	28.72
1/4"	0.250"	0.063"	0.012"	● 8416-0890	25	100'	16N2366	192.97	● 3497	25	12.5	92N6015	35.90
5/16"	0.313"	0.078"	0.012"	● 8416-0891	25	100'	16N2367	210.92	● 3498	25	12.5	92N6016	39.49
3/8"	0.375"	0.096"	0.012"	● 8416-0892	25	100'	16N2368	239.64	● 3499	25	12.5	92N6017	44.88
7/16"	0.438"	0.112"	0.015"	● 8416-0893	25	100'	16N2369	246.82	● 3500	25	12.5	92N6018	46.67
1/2"	0.500"	0.144"	0.015"	● 8416-0894	25	100'	16N2370	354.52	● 3501	10	5.0	92N6019	26.57
5/8"	0.625"	0.178"	0.015"	● 8416-0895	8	32'	16N2371	147.05	● 3502	10	5.0	92N6020	34.47
3/4"	0.750"	0.224"	0.015"	● 8416-0896	8	32'	16N2372	191.05	● 3503	10	5.0	92N6021	42.73
7/8"	0.875"	0.244"	0.015"	● 8416-0897	8	32'	16N2373	219.42	● 3504	10	5.0	92N6022	52.06
1"	1.000"	0.278"	0.015"	● 8416-0898	8	32'	16N2374	230.91	● 3505	5	2.5	92N6023	26.93
1 1/4"	1.250"	0.347"	0.015"	● 8416-0899	5	20'	16N2375	216.12	● 3506	5	2.5	92N6024	40.39

(6311)

(2:1) SHRINK RATIO, LAYFLAT PVC HEAT-SHRINK TUBING

Layflat PVC heat-shrink tubing is a thin-wall material offering good electrical and mechanical characteristics. When exposed to heat in excess of 275°F for a few seconds, the specially-formulated polyvinyl chloride material shrinks rapidly and uniformly to conform to the shape of the object being covered. Applications include insulating and jacketing of batteries, capacitors and similar objects; protective covering of precision machine parts and cutting tools; wire and cable identification; industrial equipment; toys, sporting goods, electronics, medical and consumer products. Operating temperature: +85°C to -20°C. Shrink ratio: 2:1. A heat gun can be used for shrinking in most applications; *order separately online or call*. Wall thickness: 0.004". Meets flammability requirements of UL VW-1 and MIL-I-631 specifications. Color: white. UL listed. **Sold in 100' spools.**



1693						
Mfg. Part No.	Size	Flat Width	I.D.	O.D.	Stock No.	Price per Spool
● 1693	7/16"	0.728"	0.430"	0.438"	92N3687	35.40
● 1694	9/16"	0.925"	0.558"	0.563"	92N3688	35.40
● 1695	3/4"	1.220"	0.742"	0.750"	92N3689	35.40
● 1696	7/8"	1.417"	0.867"	0.875"	92N3690	35.40
● 1697	1"	1.654"	0.992"	1.000"	92N3691	37.59
● 1698	1 1/8"	1.850"	1.117"	1.125"	92N3692	37.59
● 1699	1 1/4"	2.047"	1.242"	1.250"	92N3693	45.68
● 1700	1 3/8"	2.244"	1.367"	1.375"	92N3694	47.09
● 1701	1 1/2"	2.441"	1.492"	1.500"	92N3695	53.32
● 1702	1 3/4"	2.835"	1.742"	1.750"	92N3696	56.71

(13544)

HEAT-SHRINK TUBING

CHEMICAL RESISTANCE CHART

Chemical	PVC-105 PVC-125	Flexible Polyolefin	Semi-Rigid Polyolefin	KYNAR*	Neoprene	Teflon**
Acetates (Esters)	T	T	T	T	T	R
Acetates (Water Sol. Salts)	T	T	T	T	T	R
Acetone	T	T	T	N	T	R
Acids-Inorganic (Dil.)	T	R	R	R	R	R
Acids-Inorganic (Conc.)	T	T	T	R	R	R
Acids-Organic	T	T	T	T	T	R
Alcohols	T	R	R	R	T	R
Aldehydes	T	T	T	T	R	R
Aliphatic Hydrocarbons	T	T	T	R	T	R
Alkali Solutions (Dil.)	T	R	R	R	R	R
Alkali Solutions (Conc.)	T	T	T	R	R	R
Aromatic Hydrocarbons	T	T	T	T	N	R
Bromine	T	T	T	R	T	R
Carbon Tetrachloride	T	T	T	R	N	R
Chlorine-Wet	T	T	T	R	T	R
Chlorine-Dry	T	T	T	R	T	R
Esters	T	T	T	T	T	R
Ethylene Dichloride	T	T	T	T	T	R
Ethylene Glycol	T	T	T	T	R	R
Freon	T	T	T	R	T	R

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CHEMICAL RESISTANCE CHART (CONT.)

Chemical	PVC-105 PVC-125	Flexible Polyolefin	Semi-Rigid Polyolefin	KYNAR*	Neoprene	Teflon**
Gasoline	T	R	R	R	R	R
Glucose	T	R	R	R	T	R
Glycerine	T	T	T	T	T	R
Hydrogen Peroxide-Dil.	T	T	T	R	T	R
Hydrogen Peroxide-Conc.	T	T	T	T	T	R
Hydrogen Sulfide	T	T	T	T	T	R
Kerosene	T	R	R	R	R	R
Lacquer Thinners	T	T	T	R	T	R
Linseed Oil	T	T	T	T	R	R
Mineral Spirits	T	R	R	T	T	R
Nitrogen	T	T	T	T	T	R
Oils	T	T	T	T	R	R
Soap Solutions	T	T	T	T	R	R
Sulfur Dioxide	T	T	T	T	T	R
Turpentine	T	T	T	T	R	R
Urea	T	T	T	T	T	R
Ketones	T	T	T	N	T	R
JP-4	T	R	R	R	T	R

R = Recommended; T = Should be Tested Before Use; N = Not Recommended
(68761)

MIL-DTL-23053/5 SPECIFIED POLYOLEFIN HEAT-SHRINK TUBING

- Meets military specification MIL-DTL-23053/5
- 2:1 shrink ratio
- Minimum shrink temperature at 70°C
- Choice of 7 colors: black, clear, white, yellow, red, green, blue
- Choice of 100', 50' spools and bags of 4' and 6' lengths

Pro-Power® Mil-Spec. polyolefin heat-shrink tubing is used as electrical insulation over cable splices and termination, lightweight harness covering and wire bundling. Operating temperature range: -55°C to +135°C. **Sold in spool sizes indicated in table below and in bags of 4' and 6' lengths.** Select sizes also available in 500' spools; go online or call.



Just Added

Size 3/4" and 1/2" Lengths. Select sizes also available in 30' spools, go online or call.				Spools			4' Lengths				6" Lengths						
Size (In.)	Color	Expanded Inner Dia. (In.)	Recovered Inner Dia. (In.)	Mfg. Part No.	Spool Size (Ft.)	Stock No.	Price per Spool	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Bag	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Bag
3/64	Black	0.047	0.024	● PP1638	100	46M2360	11.38	● PP1650	25	100	46M2372	10.27	● PP1662	40	20	46M2384	2.37
1/16	Black	0.063	0.031	● PP1639	100	46M2361	11.05	● PP1651	25	100	46M2373	13.12	● PP1663	36	18	46M2385	2.37
3/32	Black	0.094	0.047	● PP1640	100	46M2362	13.82	● PP1652	25	100	46M2374	15.68	● PP1664	32	16	46M2386	1.96
1/8	Black	0.125	0.063	● PP1641	100	46M2363	15.32	● PP1653	25	100	46M2375	17.13	● PP1665	28	14	46M2387	2.56
3/16	Black	0.188	0.094	● PP1642	100	46M2364	20.10	● PP1654	25	100	46M2376	22.96	● PP1666	24	12	46M2388	2.82
1/4	Black	0.25	0.125	● PP1643	100	46M2365	24.42	● PP1655	25	100	46M2377	25.59	● PP1667	20	10	46M2389	2.89
3/8	Black	0.375	0.188	● PP1644	100	46M2366	26.37	● PP1656	25	100	46M2378	31.23	● PP1668	16	8	46M2390	1.86
1/2	Black	0.5	0.25	● PP1645	100	08P3924	41.13	● PP1657	5	20	46M2379	7.00	● PP1669	14	7	46M2391	2.55
3/4	Black	0.75	0.375	● PP1646	50	46M2368	53.67	● PP1658	5	20	46M2380	17.52	● PP1670	12	6	46M2392	6.12
1	Black	1	0.5	● PP1647	50	46M2369	69.71	● PP1659	5	20	46M2381	25.52	● PP1671	8	4	46M2393	4.45
1 1/2	Black	1.5	0.75	● PP1648	50	46M2370	143.36	● PP1660	5	20	46M2382	52.48	● PP1672	5	2.5	46M2394	5.97
2	Black	2	1	● PP1649	50	46M2371	172.55	● PP1661	5	20	46M2383	73.61	● PP1673	3	1.5	46M2395	6.10
3/64	Clear	0.047	0.024	● PP1674	100	46M2396	10.03	● PP1686	25	100	46M2408	13.78	● PP1698	40	20	46M2420	2.37
1/16	Clear	0.063	0.031	● PP1675	100	46M2397	11.05	● PP1687	25	100	46M2409	13.12	● PP1699	36	18	46M2421	2.37
3/32	Clear	0.094	0.047	● PP1676	100	46M2398	13.82	● PP1688	25	100	46M2410	15.68	● PP1700	32	16	46M2422	2.63
1/8	Clear	0.125	0.063	● PP1677	100	46M2399	15.32	● PP1689	25	100	46M2411	17.13	● PP1701	28	14	46M2423	2.56
3/16	Clear	0.188	0.094	● PP1678	100	46M2400	20.10	● PP1690	25	100	46M2412	22.96	● PP1702	24	12	46M2424	2.82
1/4	Clear	0.25	0.125	● PP1679	100	46M2401	24.42	● PP1691	25	100	46M2413	25.59	● PP1703	20	10	46M2425	2.89
3/8	Clear	0.375	0.188	● PP1680	100	46M2402	26.37	● PP1692	25	100	46M2414	31.23	● PP1704	16	8	46M2426	2.50
1/2	Clear	0.5	0.25	● PP1681	100	40P2056	41.13	● PP1693	5	20	46M2415	9.38	● PP1705	14	7	46M2427	3.42
3/4	Clear	0.75	0.375	● PP1682	50	46M2404	47.29	● PP1694	5	20	46M2416	17.52	● PP1706	12	6	46M2428	6.96
1	Clear	1	0.5	● PP1683	50	46M2405	69.71	● PP1695	5	20	46M2417	25.52	● PP1707	8	4	46M2429	5.97
1 1/2	Clear	1.5	0.75	● PP1684	50	46M2406	143.36	● PP1696	5	20	46M2418	52.48	● PP1708	5	2.5	46M2430	8.01
2	Clear	2	1	● PP1685	50	46M2407	172.55	● PP1697	5	20	46M2419	73.61	● PP1709	3	1.5	46M2431	6.10
3/64	White	0.047	0.024	● PP2236	100	34P0768	12.21	● PP2237	25	100	34P0769	14.83	● PP2238	40	20	34P0770	2.56
1/16	White	0.063	0.031	● PP2239	100	34P0771	11.83	● PP2240	25	100	34P0772	14.11	● PP2241	36	18	34P0773	2.56
3/32	White	0.094	0.047	● PP2242	100	34P0774	14.82	● PP2243	25	100	34P0775	16.86	● PP2244	32	16	34P0776	2.82
1/8	White	0.125	0.063	● PP2245	100	34P0777	16.49	● PP2246	25	100	34P0778	18.44	● PP2247	28	14	34P0779	2.82
3/16	White	0.188	0.094	● PP2248	100	34P0780	21.59	● PP2249	25	100	34P0781	24.67	● PP2250	24	12	34P0782	3.02
1/4	White	0.25	0.125	● PP2251	100	34P0783	26.20	● PP2252	25	100	34P0784	27.49	● PP2253	20	10	34P0785	3.09
3/8	White	0.375	0.188	● PP2254	100	34P0786	28.31	● PP2255	25	100	34P0787	33.53	● PP2256	16	8	34P0788	2.76
1/2	White	0.5	0.25	● PP2257	100	34P0789	44.18	● PP2258	5	20	34P0790	10.11	● PP2259	14	7	34P0791	3.68
3/4	White	0.75	0.375	● PP2260	50	34P0792	57.67	● PP2261	5	20	34P0793	18.83	● PP2262	12	6	34P0794	7.48
1	White	1	0.5	● PP2263	50	34P0795	74.87	● PP2264	5	20	34P0796	27.36	● PP2265	8	4	34P0797	6.43
1 1/2	White	1.5	0.75	● PP2266	50	34P0798	154.02	● PP2267	5	20	34P0799	56.35	● PP2268	5	2.5	34P0800	8.60
2	White	2	1	● PP2269	50	34P0801	185.37	● PP2270	5	20	34P0802	79.05	● PP2271	3	1.5	34P0803	6.56
3/64	Yellow	0.047	0.024	● PP2272	100	34P0804	12.21	● PP2273	25	100	34P0805	14.83	● PP2274	40	20	34P0806	2.56
1/16	Yellow	0.063	0.031	● PP2275	100	34P0807	11.83	● PP2276	25	100	34P0808	14.11	● PP2277	36	18	34P0809	2.56
3/32	Yellow	0.094	0.047	● PP2278	100	34P0810	14.82	● PP2279	25	100	34P0811	16.86	● PP2280	32	16	34P0812	2.82
1/8	Yellow	0.125	0.063	● PP2281	100	34P0813	16.49	● PP2282	25	100	34P0814	18.44	● PP2283	28	14	34P0815	2.82
3/16	Yellow	0.188	0.094	● PP2284	100	34P0816	21.59	● PP2285	25	100	34P0817	24.67	● PP2286	24	12	34P0818	3.02
1/4	Yellow	0.25	0.125	● PP2287	100	34P0819	26.20	● PP2288	25	100	34P0820	27.49	● PP2289	20	10	34P0821	3.09
3/8	Yellow	0.375	0.188	● PP2290	100	34P0822	28.31	● PP2291	25	100	34P0823	33.53	● PP2292	16	8	34P0824	2.76

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HEAT-SHRINK TUBING

MIL-DTL-23053/5 SPECIFIED POLYOLEFIN HEAT-SHRINK TUBING (CONT.)

Size (In.)	Color	Expanded Inner Dia. (In.)	Recovered Inner Dia. (In.)	Spools				4' Lengths				6" Lengths					
				Mfg. Part No.	Spool Size (Ft.)	Stock No.	Price per Spool	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Bag	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Bag
½	Yellow	0.5	0.25	● PP2293	100	34P0825	44.18	● PP2294	5	20	34P0826	10.11	● PP2295	14	7	34P0827	3.68
¾	Yellow	0.75	0.375	● PP2296	50	34P0828	57.67	● PP2297	5	20	34P0829	18.83	● PP2298	12	6	34P0830	7.48
1	Yellow	1	0.5	● PP2299	50	34P0831	74.87	● PP2300	5	20	34P0832	27.36	● PP2301	8	4	34P0833	6.43
1½	Yellow	1.5	0.75	● PP2302	50	34P0834	154.02	● PP2303	5	20	34P0835	56.35	● PP2304	5	2.5	34P0836	8.60
2	Yellow	2	1	● PP2305	50	34P0837	185.37	● PP2306	5	20	34P0838	79.05	● PP2307	3	1.5	34P0839	6.56
⅜	Red	0.047	0.024	● PP2308	100	34P0840	12.21	● PP2309	25	100	34P0841	14.83	● PP2310	40	20	34P0842	2.56
⅛	Red	0.063	0.031	● PP2311	100	34P0843	11.83	● PP2312	25	100	34P0844	14.11	● PP2313	36	18	34P0845	2.56
⅜	Red	0.094	0.047	● PP2314	100	34P0846	14.82	● PP2315	25	100	34P0847	16.86	● PP2316	32	16	34P0848	2.82
⅙	Red	0.125	0.063	● PP2317	100	34P0849	16.49	● PP2318	25	100	34P0850	18.44	● PP2319	28	14	34P0851	2.82
⅜	Red	0.188	0.094	● PP2320	100	34P0852	21.59	● PP2321	25	100	34P0853	24.67	● PP2322	24	12	34P0854	3.02
¼	Red	0.25	0.125	● PP2323	100	34P0855	26.20	● PP2324	25	100	34P0856	27.49	● PP2325	20	10	34P0857	3.09
⅙	Red	0.375	0.188	● PP2326	100	34P0858	28.31	● PP2327	25	100	34P0859	33.53	● PP2328	16	8	34P0860	2.76
½	Red	0.5	0.25	● PP2329	100	34P0861	44.18	● PP2330	5	20	34P0862	10.11	● PP2331	14	7	34P0863	3.68
¾	Red	0.75	0.375	● PP2332	50	34P0864	57.67	● PP2333	5	20	34P0865	18.83	● PP2334	12	6	34P0866	7.48
1	Red	1	0.5	● PP2335	50	34P0867	74.87	● PP2336	5	20	34P0868	27.36	● PP2337	8	4	34P0869	6.43
1½	Red	1.5	0.75	● PP2338	50	34P0870	154.02	● PP2339	5	20	34P0871	56.35	● PP2340	5	2.5	34P0872	8.60
2	Red	2	1	● PP2341	50	34P0873	185.37	● PP2342	5	20	34P0874	79.05	● PP2343	3	1.5	34P0875	6.56
⅜	Green	0.047	0.024	● PP2344	100	34P0876	12.21	● PP2345	25	100	34P0877	14.83	● PP2346	40	20	34P0878	2.56
⅛	Green	0.063	0.031	● PP2347	100	34P0879	11.83	● PP2348	25	100	34P0880	14.11	● PP2349	36	18	34P0881	2.56
⅜	Green	0.094	0.047	● PP2350	100	34P0882	14.82	● PP2351	25	100	34P0883	16.86	● PP2352	32	16	34P0884	2.82
⅙	Green	0.125	0.063	● PP2353	100	34P0885	16.49	● PP2354	25	100	34P0886	18.44	● PP2355	28	14	34P0887	2.82
⅜	Green	0.188	0.094	● PP2356	100	34P0888	21.59	● PP2357	25	100	34P0889	24.67	● PP2358	24	12	34P0890	3.02
¼	Green	0.25	0.125	● PP2359	100	34P0891	26.20	● PP2360	25	100	34P0892	27.49	● PP2361	20	10	34P0893	3.09
⅙	Green	0.375	0.188	● PP2362	100	34P0894	28.31	● PP2363	25	100	34P0895	33.53	● PP2364	16	8	34P0896	2.76
½	Green	0.5	0.25	● PP2365	100	34P0897	44.18	● PP2366	5	20	34P0898	10.11	● PP2367	14	7	34P0899	3.68
¾	Green	0.75	0.375	● PP2368	50	34P0900	57.67	● PP2369	5	20	34P0901	18.83	● PP2370	12	6	34P0902	7.48
1	Green	1	0.5	● PP2371	50	34P0903	74.87	● PP2372	5	20	34P0904	27.36	● PP2373	8	4	34P0905	6.43
1½	Green	1.5	0.75	● PP2374	50	34P0906	154.02	● PP2375	5	20	34P0907	56.35	● PP2376	5	2.5	34P0908	8.60
2	Green	2	1	● PP2377	50	34P0909	185.37	● PP2378	5	20	34P0910	79.05	● PP2379	3	1.5	34P0911	6.56
⅜	Blue	0.047	0.024	● PP2380	100	34P0912	12.21	● PP2381	25	100	34P0913	14.83	● PP2382	40	20	34P0914	2.56
⅛	Blue	0.063	0.031	● PP2383	100	34P0915	11.83	● PP2384	25	100	34P0916	14.11	● PP2385	36	18	34P0917	2.56
⅜	Blue	0.094	0.047	● PP2386	100	34P0918	14.82	● PP2387	25	100	34P0919	16.86	● PP2388	32	16	34P0920	2.82
⅙	Blue	0.125	0.063	● PP2389	100	34P0921	16.49	● PP2390	25	100	34P0922	18.44	● PP2391	28	14	34P0923	2.82
⅜	Blue	0.188	0.094	● PP2392	100	34P0924	21.59	● PP2393	25	100	34P0925	24.67	● PP2394	24	12	34P0926	3.02
¼	Blue	0.25	0.125	● PP2395	100	34P0927	26.20	● PP2396	25	100	34P0928	27.49	● PP2397	20	10	34P0930	3.09
⅙	Blue	0.375	0.188	● PP2398	100	34P0931	28.31	● PP2399	25	100	34P0932	33.53	● PP2400	16	8	34P0933	2.76
½	Blue	0.5	0.25	● PP2401	100	34P0934	44.18	● PP2402	5	20	34P0935	10.11	● PP2403	14	7	34P0936	3.68
¾	Blue	0.75	0.375	● PP2404	50	34P0937	57.67	● PP2405	5	20	34P0938	18.83	● PP2406	12	6	34P0939	7.48
1	Blue	1	0.5	● PP2407	50	34P0940	74.87	● PP2408	5	20	34P0941	27.36	● PP2409	8	4	34P0942	6.43
1½	Blue	1.5	0.75	● PP2410	50	34P0943	154.02	● PP2411	5	20	34P0944	56.35	● PP2412	5	2.5	34P0945	8.60
2	Blue	2	1	● PP2413	50	34P0946	185.37	● PP2414	5	20	34P0947	79.05	● PP2415	3	1.5	34P0948	6.56

(115433)

POLYOLEFIN HEAT-SHRINK TUBING IN BOX DISPENSER



- Convenient box dispenser
- 2:1 shrink ratio
- Minimum shrink temperature at 70°C
- Choice of black or natural



Pro-Power® polyolefin heat-shrink tubing packaged in a convenient box dispenser. Used as electrical insulation over cable splices and termination, lightweight harness covering and wire bundling. Meets military specification MIL-DTL-23053/5. Operating temperature range: -55° to +135°C.

Mfg. Part No.	Size (in.)	Max. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Color	Total Footage per Box	Stock No.	Price per Box
CB11456	1/16	0.063	0.031	Black	65.6	04N9734	5.23
CB11457	3/32	0.094	0.047	Black	49.2	04N9735	5.23
CB11458	1/8	0.125	0.063	Black	49.2	04N9736	6.05
CB11459	3/16	0.188	0.094	Black	39.35	04N9737	6.23
CB11460	1/4	0.25	0.125	Black	39.35	04N9738	6.99
CB11461	3/8	0.375	0.188	Black	26.25	04N9739	7.84
CB11462	1/2	0.5	0.25	Black	26.25	04N9740	8.50
CB11463	3/4	0.75	0.375	Black	16.4	04N9741	8.86
CB11464	1	1	0.5	Black	16.4	04N9742	11.34
CB11465	1/16	0.063	0.031	Natural	65.6	04N9743	5.23
CB11466	3/32	0.094	0.047	Natural	49.2	04N9744	6.05
CB11467	1/8	0.125	0.063	Natural	49.2	04N9745	6.05
CB11468	3/16	0.188	0.094	Natural	39.35	04N9746	6.99
CB11469	1/4	0.25	0.125	Natural	39.35	04N9747	7.84
CB11470	3/8	0.375	0.188	Natural	26.25	04N9748	7.84

▶ CONTINUED ▶

POLYOLEFIN HEAT-SHRINK TUBING IN BOX DISPENSER (CONT.)

Mfg. Part No.	Size (in.)	Max. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Color	Total Footage per Box	Stock No.	Price per Box
CB11471	1/2	0.5	0.25	Natural	26.25	04N9749	8.50
CB11472	3/4	0.75	0.375	Natural	16.4	04N9750	8.86
CB11473	1	1	0.5	Natural	16.4	04N9751	11.34

(115432)

POLYOLEFIN HEAT-SHRINK TUBING KITS



- Choose between 3:1 or 2:1 shrink ratios
- Nominal Diameters: 1/8", 3/16", 1/4", and 1/2"
- Colors: black, blue, yellow, red and white
- Lengths: 2" and 24"



ProPower® Heat Shrink Tubing Kits are the perfect solution for the all-around wiring professional. They each contain 180 pieces spread out among a number of different sizes to accommodate almost any shrink tubing situation. Meets MIL-DTL-23053/5 class 1 specifications. UL recognized, CSA approved.

Mfg. Part No.	Kit Contents	Stock No.	Price Each
PP2221	180-Pc. Heat-Shrink Tubing Kit — 3:1 Shrink Ratio	54M5898	85.31
PP2220	180-Pc. Heat-Shrink Tubing Kit — 2:1 Shrink Ratio	54M5897	43.28

(94386)

HEAT-SHRINK TUBING

AMP COLD-SHRINK PLASTIC WRAP



Forms water-tight skin for long-term protection, even during prolonged immersion in water, with no heat or open flame. Tape amalgamates—“welds” itself into homogeneous mass—but does not transfer adhesive. Excellent electrical properties, water, ozone, and corrosion resistance. 0.020" (0.508) thick. Color: Black.

Mfg. Part No.	Width	Roll Length	Stock No.	Price Each		
				1-24	25-49	50-99
● 605262-1	1.00"	10'	95F1130	14.19	10.34	8.76
● 605980-1	0.75"	30'	95F1131	18.76	16.42	13.67
● 605980-2	1.00"	30'	95F1132	25.09	21.96	18.28
● 605262-2	2.00"	30'	95F1134	80.56	67.08	56.89

(5459)

RAYCHEM MINI SEAL SPLICES



- Immersion-resistant

- Insulation and strain relief

BUTT SPLICES

Mfg. Part No.	CMA Range	AWG Size	Color	Stock No.	Price Each	
					1-24	25-49
● D-436-0110	304-1510	26-20	Red	42M1611	7.02	6.39
● D-436-36	304-1510	26-20		11J1494	1.37	1.25
● D-436-37	779-2680	20-16	Blue	72J8570	1.49	1.36
● D-436-38	1900-6755	16-12	Yellow	64J7544	1.69	1.54
● D-436-42	779-2680	24-22	Blue	57J2230	8.04	7.33
● D-436-43	1900-6755	22-18	Yellow	26K5952	8.41	7.67
● D-436-52	779-2680	20-16	Blue	58K9872	7.76	7.07
● D-436-53	1900-6755	18-12	Yellow	26K3197	7.80	7.10
● D-436-83	779-2680	20-16	Blue	61J4091	1.96	1.78

STUB SPLICES

● D-436-0128	304-1510	26-20	Red	57J2223	3.62	3.30
● D-436-58	779-2680	20-16	Blue	73J7755	2.53	2.30
● D-436-59	1900-6755	18-12	Yellow	57J2239	4.38	3.99
● D-436-60	779-2680	20-16	Blue	23K7633	6.18	5.63
● D-436-61	1900-6755	18-12	Yellow	22M4681	6.45	5.88

(9325)

RAYCHEM SOLDERSLLEEVE™ SOLDER WIRE TERMINATION SLEEVES



These heat-shrinkable solder sleeves make wire and cable termination easy and less time consuming than conventional hand soldering or crimping.



S01 SERIES WIRE-TO-WIRE SHIELD TERMINATORS, MIL-S-83519/1

Designed to make an environment-resistant shield wire-to-wire termination on cable. Transparent, heat-shrinkable insulation sleeve constructed of radiation cross-linked polyvinylidene fluoride. Immersion-resistant. Meets MIL-S-83519/1 military specifications.

Mfg. Part No.	Length/I.D. (Min., In.)	Stock No.	Price Each
			1-49
S01-01-R	0.650/0.105	09J3986	1.03
S01-02-R	0.650/0.145	09J3987	0.89
M83519/1-3 (S01-03-R)	0.650/0.200	09J3988	0.89
S01-04-R	0.750/0.255	09J3989	1.27
S01-05-R	0.750/0.300	09J3990	1.68

➔ CONTINUED ➔

RAYCHEM SOLDERSLLEEVE™ SOLDER WIRE TERMINATION SLEEVES (CONT.)

CWT-900x SERIES WIRE-TO-WIRE TERMINATORS

Designed to splice bare or tin-plated copper stranded wire rated at least +85°C. Transparent, heat-shrinkable insulation sleeve constructed of radiation cross-linked modified polyolefin. Color-coded, meltable thermoplastic rings. Temperature range: -55°C to +125°C.

Mfg. Part No.	Length/I.D. (Min., In.)	Ring Color	Stock No.	Price Each
				1-49
● B-155-9001	1.025/0.065	Transparent (Clear)	42M3292	0.96
● B-155-9002	1.655/0.105	Red	42M3293	1.05
● B-155-9003	1.655/0.180	Blue	42M3294	1.49
D-1744-01	1.17/0.075	Transparent (Blue)	57J2192	2.19
D-1744-02	1.187/1.110	Transparent (Blue)	83J9018	2.30
D-1744-03	1.165/0.180	Transparent (Blue)	53K6189	2.42

CWT-xx-W122-5 SERIES WIRE TERMINATORS WITH PRE-INSTALLED LEAD

Designed for termination of bare or tin-plated copper shield on cable insulation-rated at least +85°C. Transparent, heat-shrinkable insulation sleeve constructed of radiation cross-linked modified polyolefin. Ground lead constructed of stranded, tin-plated copper polyethylene wire (22 AWG). Temperature range: -55°C to +125°C. Lead color: green.

Mfg. Part No.	Length/I.D. (Min., In.)	Stock No.	Price Each
			1-49
CWT-3-W122-5	0.965/0.118	09J3980	1.21
● B-155-05-35-22-5	1.154/0.189	42M3289	4.01
● B-155-07-35-22-5	1.280/0.287	42M3290	1.76

CWT-150x SERIES WIRE-TO-PIN TERMINATORS

Designed for termination of wire to the lead of an electrical component or to the terminal (pin) of a connector. Transparent, heat-shrinkable insulation sleeve constructed of radiation cross-linked modified polyolefin. Temperature range: -55°C to +125°C.

Mfg. Part No.	Length/I.D. (Min., In.)	Stock No.	Price Each
			1-49
● B-155-1501	0.630/0.060	82K9319	1.14
CWT-1502	0.630/0.090	09J3978	0.36
CWT-3805-W2	1.655/0.180	33K3586	1.53
● B-155-1503	0.630/0.110	42M3291	1.30

D-18112xx SERIES COAXIAL CABLE TERMINATORS

Designed for termination of coaxial cable to component terminals, contacts, printed circuit boards, and solderless wrap terminals. Transparent polyvinylidene fluoride insulation sleeve provides encapsulation, inspectability, strain relief (eliminates center conductor breakage), and insulation. Temperature range: -55°C to +150°C.

Mfg. Part No.	Length/I.D. (Min., In.)	Stock No.	Price Each
			1-49
D-181-1222-90/9	0.850/0.145	26K2514	4.74

(80033)

RAYCHEM FLEXIBLE POLYOLEFIN HEAT-SHRINK BOOTS



Just Added



Ideal for use with circular connectors to provide connector/cable strain relief. Also used with Raychem adapters to provide strain relief and mechanical protection for harness systems using circular connectors. Molded of Thermofit® flexible polyolefin with pre-coating adhesive for added sealing protection. Meets DEF. Stan. 59-97 Issue 3 Type DA, MIL-81765/2 Class II, UL224 E85831 standards. Operating temperature -20° to +60°. Color: black.

STRAIGHT, LIPPED HEAT-SHRINK BOOTS

Mfg. Part No.	Expanded I.D. (In.)	Recovered I.D. (In.)	Length (in.)	Stock No.	Price Each	
					1-49	50+
● 202D921-4/42-0	0.25	0.08	2.37	73K0578	22.82	20.95
● 202D211-4/42-0	0.88	0.25	4.17	73K2235	16.43	15.08
● 202D211-4/86-0	0.88	0.25	4.17	26K1346	20.62	18.92
● 202D221-4/42-0	1.01	0.29	4.77	35M5596	17.39	15.96
● 202D221-4/86-0	1.01	0.29	4.77	14M9304	22.10	20.28
● 202D221-12-0 *	1.01	0.29	4.77	80K9371	54.11	49.67
● 202D232-4/86-0	1.16	0.33	5.46	26K1349	24.55	22.54
● 202D242-4/86-0	1.34	0.38	6.28	24K3624	25.96	23.82
● 202D253-4/42-0	1.47	0.41	7.00	57J3440	27.93	25.63
● 202D263-4/42-0	1.72	0.48	8.00	18M7131	32.48	29.81
● 202D263-4/86-0	1.72	0.48	8.00	87K0522	32.48	29.81

STRAIGHT, LIPPED HEAT-SHRINK BOOTS

Suitable for sealing and strain relief at connector-cable terminations and cable-to-cable transitions on military vehicle cable and harnesses. Molded of fluid-resistant modified elastomer designed to provide optimum high-temperature fluid resistance and long term heat resistance. Meets DEF Std 59-97, Issue 3 Type DE, MIL-S-34867, VG95343 Parts 6, 7, 8 and 9 standards. Operating temperature: -75 °C to 150°C. Color: black.

● 202K121-25-0	0.95	0.22	1.5	35K5554	11.92	10.94
● 202K121-25/225-0 +	0.95	0.22	1.5	59J7281	14.30	13.13
● 202K132-25-0	1.18	0.23	2.17	21K6225	10.14	9.31
● 202K142-25-0	1.22	0.28	2.64	64K0092	13.52	12.41
● 202K132-25/225-0 +	1.18	0.23	2.17	72J7408	13.49	12.39

➔ CONTINUED ➔

HEAT-SHRINK TUBING

RAYCHEM FLEXIBLE POLYOLEFIN HEAT-SHRINK BOOTS (CONT.)

RIGHT-ANGLE, LIPPED HEAT-SHRINK BOOTS

Mfg. Part No.	Expanded I.D. (In.)	Recovered I.D. (In.)	Length (in.)	Stock No.	Price Each	
					1-49	50+
● 222D963-4/42-0	0.45	0.14	4.55	18M4547	32.68	29.99
● 222K152-4/42-0	1.42	0.88	1.81	30K5344	24.75	22.72

45° SIDE-BREAKOUT TRANSITION HEAT-SHRINK BOOTS

Provides strain relief and mechanical protection at 45° junctions in cable harness assemblies where a small diameter breakout occurs.

● 342A024-4/42-0	1.06	0.50	3.64	60K8740	36.12	33.15
● 342A034-4/42-0	1.06	0.54	5.70	42J9647	34.47	31.64

"T"-TRANSITION HEAT-SHRINK BOOT

Equal size outlets provide strain relief and mechanical protection at "T"-junctions in cable harness assemblies.

● 301A011-4/42-0	0.26	0.14	1.17	16M1641	22.21	20.39
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"Y"-SLIMLINE-TRANSITION HEAT-SHRINK BOOT

Equal size outlets provide strain relief and mechanical protection at "Y"-junctions in cable harness assemblies.

● 381A301-71/42-0	0.78	0.26	1.60	36K3055	21.55	19.78
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"Y" TRANSITION HEAT-SHRINK BOOT

Equal size outlets provide strain relief and mechanical protection at "Y"-junctions in cable harness assemblies.

● 382A012-25-0	0.52	0.24	0.94	77J6861	17.04	15.64
● 382A034-4/86-0	1.52	0.71	5.68	36M2147	42.73	39.22

SHRINKHOOP CABLE CLAMP HEAT SHRINK GROMMET

Ultra high ratio heat-shrinkable-strain-relief grommet that can be placed over the cable assembly after the connector pinning operation is completed.

● URHR-1	1	0.08	0.5	21K6643	17.66	16.20
● URHR-5	2	0.20	0.75	21K6659	10.95	10.05

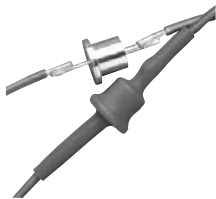
*Constructed of DuPont® Viton® elastomer; + /225 designates unilure pre-coated epoxy adhesive (94530)

RAYCHEM RNF-100 SERIES FLEXIBLE, FLAME-RETARDANT GENERAL-PURPOSE POLYOLEFIN HEAT-SHRINK TUBING



Tyco Electronics
Just Added

- Used for wire bundling, light-duty harnesses and wire identification
- Shrink ratio: 2:1
- Minimum shrink temperature: 95°C
- Continuous temperature range: -55°C to 135°C



RNF-100 series general-purpose polyolefin heat-shrink tubing is designed to provide superior mechanical- (abrasion, cut-through and strain relief), thermal- and fluid-resistance performance in demanding environments. Black tubing is flame-retardant and meets AMS-DTL-23053/5, Class 1 military specification. Clear tubing meets AMS-DTL-23053/5, Class 2 military specification. Sold in 48" lengths or in mini spool sizes indicated in table below, except * indicates spool of 250'.

48" LENGTHS

Mfg. Part No.	Color	Expanded I.D. (In.)	Recovered		Stock No.	Price per Foot
			I.D. (In.)	Nom. Wall Thickness (In.)		
● RNF-100-3/64-BK-STK	Black	0.046	0.023	0.016	09J3960	0.42
● RNF-100-1/16-BK-STK	Black	0.063	0.031	0.017	09J3951	0.43
● RNF-100-3/32-BK-STK	Black	0.093	0.046	0.02	09J3958	0.45
● RNF-100-1/8-BK-STK	Black	0.125	0.062	0.02	09J3954	0.48
● RNF-100-3/16-BK-STK	Black	0.187	0.093	0.02	09J3957	0.59
● RNF-100-1/4-BK-STK	Black	0.250	0.125	0.025	09J3953	0.73
● RNF-100-3/8-BK-STK	Black	0.375	0.187	0.025	09J3961	0.82
● RNF-100-1/2-BK-STK	Black	0.500	0.250	0.025	09J3952	1.02
● RNF-100-1/2-CL-SP	Clear	0.500	0.250	0.025	61J0695	0.83
● RNF-100-3/4-BK-STK	Black	0.750	0.375	0.03	09J3959	1.36
● RNF-100-1-BK-STK	Black	1.000	0.500	0.035	09J3949	2.07
● RNF-100-1-1/2-BK-STK	Black	1.500	0.750	0.04	09J3950	4.36
● RNF-100-2-BK-STK	Black	2.000	1.000	0.045	09J3955	5.40
● RNF-100-3-BK-STK	Black	3.000	1.500	0.05	09J3956	13.60
● RNF-100-4-BK-STK	Black	4.000	2.000	0.055	09J3962	18.13

MINI SPOOLS

Mfg. Part No.	Color	Exp. I.D. (In.)	Recovered		Spool Size (Ft.)	Stock No.	Price per Spool
			I.D. (In.)	Nom. Wall Thickness (In.)			
● RNF-100-MINI-SPL-3/64-BK	Black	0.046	0.023	0.016	100	09J3947	23.23
● RNF-100-MINI-SPL-1/16-BK	Black	0.063	0.031	0.017	75	09J3940	25.12
● RNF-100-MINI-SPL-3/32-BK	Black	0.093	0.046	0.02	65	09J3945	25.12
● RNF-100-MINI-SPL-1/8-BK	Black	0.125	0.062	0.02	60	09J3943	25.12
● RNF-100-MINI-SPL-3/16-BK	Black	0.187	0.093	0.02	50	09J3944	25.12
● RNF-100-MINI-SPL-1/4-BK	Black	0.250	0.125	0.025	40	09J3942	25.12
● RNF-100-MINI-SPL-3/8-BK	Black	0.375	0.187	0.025	35	09J3948	25.12
● RNF-100-MINI-SPL-1/2-BK	Black	0.500	0.250	0.025	30	09J3941	25.12

➔ CONTINUED ➔

RAYCHEM RNF-100 SERIES FLEXIBLE, FLAME-RETARDANT GENERAL-PURPOSE POLYOLEFIN HEAT-SHRINK TUBING (CONT.)

Mfg. Part No.	Color	Exp. I.D. (In.)	Recovered		Spool Size (Ft.)	Stock No.	Price per Spool
			I.D. (In.)	Nom. Wall Thickness (In.)			
● RNF-100-MINI-SPL-3/4-BK	Black	0.750	0.375	0.03	25	09J3946	25.12
● RNF-100-MINI-SPL-1-BK	Black	1.000	0.500	0.035	15	09J3939	23.81

REGULAR SIZE SPOOLS

● RNF-100-3/16-BK-SP	Black	0.187	0.093	0.02	1000	95M9371	394.26
● RNF-150-1-0-SP	Black	1	0.5	0.035	250	43M0007	1282.94
● RNF-100-1-1/2-CL-SP	Clear	1.500	0.750	0.04	125	95M9367	241.50
● RNF-100-2-CL-SP	Clear	2.000	1.000	0.045	125	95M9369	456.53

(79616)

RAYCHEM ATUM SERIES HIGH-EXPANSION RATIO 3:1, ADHESIVE-LINED HEAT-SHRINK TUBING



Tyco Electronics



ATUM series heat-shrink tubing is radiation-crosslinked and adhesive-lined to provide environmental sealing in a wide variety of electrical applications such as sealing connector backshells and cable breakouts and to repair damaged cable. Tubing and adhesive remain flexible, so the moisture-seal withstands bending. High-expansion ratio (3:1) makes it possible to repair cable without removing connectors. Full recovery temperature: 125°C. Operating temperature range: -55°C to 110°C. Meets military AMS-DTL-23053/4, Class 3 specifications. UL recognized at 110°C, 600V. Color: black. Sold in 4 ft lengths.

Mfg. Part No.	Size Dia. * (mm)	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Stock No.	Price per Foot
● ATUM-3/1-0-STK	3	0.118	0.039	0.039	09J3922	4.05
● ATUM-6/2-0-STK	6	0.236	0.076	0.039	09J3924	4.43
● ATUM-9/3-0-STK	9	0.354	0.118	0.055	09J3925	4.89
● ATUM-12/4-0-STK	12	0.472	0.157	0.015	09J3919	11.16
● ATUM-19/6-0-STK	19	0.748	0.236	0.088	09J3920	15.62
● ATUM-24/8-0-STK	24	0.940	0.315	0.1	09J3921	21.75
● ATUM-40/13-0-STK	40	1.570	0.512	0.1	09J3923	18.60

*ID as supplied/ID fully recovered (79621)

RAYCHEM TAT-125 SERIES FLEXIBLE, ADHESIVE-LINED POLYOLEFIN HEAT-SHRINK TUBING



Tyco Electronics



TAT-125 series heat-shrink tubing is adhesive-lined, flexible and thin-walled making it suitable for electrical insulation and moisture sealing in a wide variety of applications. Tubing and adhesive remain flexible, so the moisture-seal withstands bending. Full recovery temperature: 121°C. Operating temperature range: -55°C to 110°C. Meets military AMS-DTL-23053/4, Class 2 specifications. UL recognized. Color: black. Sold in 4 ft lengths.

Mfg. Part No.	Size Dia. (In.)	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Stock No.	Price per Foot
● TAT-125-1/8-0-STK	0.125	0.125	0.062	0.027	09J3996	1.27
● TAT-125-3/16-0-STK	0.188	0.187	0.093	0.028	09J3997	1.55
● TAT-125-1/4-0-STK	0.25	0.250	0.125	0.029	09J3995	1.94
● TAT-125-3/8-0-STK	0.375	0.375	0.187	0.029	09J3999	2.17
● TAT-125-1/2-0-STK	0.5	0.500	0.250	0.03	09J3994	2.69
● TAT-125-3/4-0-STK	0.75	0.750	0.375	0.035	09J3998	3.58
● TAT-125-1-0-STK	1	1.000	0.500	0.042	62K3470	5.35
● TAT-125-1-1/2-0-STK	1.5	1.500	0.750	0.047	09J3993	9.50

(79633)

Expert technical support

Chat online to our team of engineers, or connect to them through your representative.

(148838)

HEAT-SHRINK TUBING • HEAT-SHRINK TUBING KITS

RAYCHEM RW-175 SERIES
THIN-WALL, SEMIRIGID
FLUOROPOLYMER HEAT-
SHRINK TUBING

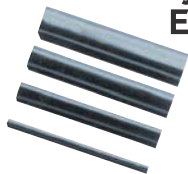
RW-175 series heat-shrink tubing is a tough, semirigid, very-thin-wall insulation. Suitable for high-temperature performance, with excellent abrasion and cut-through resistance. Provides protection for fluids and chemicals. Translucent (clear) polyvinylidene fluoride material permits visual inspection of covered components. Full recovery temperature: 175°C. Operating temperature range: -55°C to 175°C. Meets military AMS-DTL-23053/8 specifications. UL recognized, CSA certified at 150°C, 600V, with VW-1 flammability rating. Color: translucent (clear). **Sold in 4 ft lengths.**

Mfg. Part No.	Size Dia. (In.)	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Stock No.	Price per Foot
● RW-175-3/64-X-STK	0.047	0.046	0.023	0.01	09J3974	0.98
● RW-175-1/16-X-STK	0.063	0.063	0.031	0.01	09J3967	1.03
● RW-175-3/32-X-STK	0.094	0.093	0.046	0.01	09J3972	1.15
● RW-175-1/8-X-STK	0.125	0.125	0.062	0.01	09J3970	1.25
● RW-175-3/16-X-STK	0.188	0.187	0.093	0.01	09J3971	1.94
● RW-175-1/4-X-STK	0.25	0.250	0.125	0.013	09J3969	2.45
● RW-175-3/8-X-STK	0.375	0.375	0.187	0.013	09J3975	2.94
● RW-175-1/2-X-STK	0.5	0.500	0.250	0.013	09J3968	5.25
● RW-175-3/4-X-STK	0.75	0.750	0.375	0.017	09J3973	9.66

(79630)

RAYCHEM BSTS AND SST
SERIES HEAT-SHRINK TUBING

- 3:1 shrink ratio
- Min. shrink temperature: 90°C [195°F]
- Min. full recovery temperature: 121°C [257°F]
- Operating temperature: -55°C to 90°C
- Sold in 4 feet strips



BSTS SERIES HEAVY-DUTY TUBING

Mfg. Part No.	Inside Dia. Min. Expanded (mm)	Inside Dia. Max. Recovered (mm)	Recovered Wall Thickness Nom. (mm)	Stock No.	Price per Strip
● BSTS-03X4	7.62	2.54	1.52	42M1305	16.67
● BSTS-04X4	10.16	3.81	1.52	42M1306	18.57
● BSTS-07X4	19.05	5.59	2.41	22J0740	17.43
● BSTS-15X4	38.10	12.70	3.56	37J0154	28.75
● BSTS-17X4	43.18	12.70	3.56	42M1307	29.85
● BSTS-20X4	50.80	19.05	3.94	37J0158	47.28

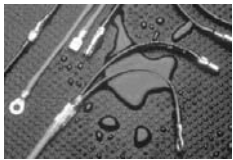
SST SERIES DUAL-WALL TUBING

● SST-30-03/226	7.62	2.54	1.52	42M1309	19.97
● SST-30-04/226	10.16	3.81	1.52	42M1310	21.12
● SST-48-07/226	19.05	5.59	2.41	42M1311	25.95
● SST-48-15/226	38.10	12.70	3.56	42M1312	36.91
● SST-48-17/226	43.18	12.70	3.56	57J0149	54.95
● SST-48-20/226	50.80	19.05	3.88	42M1313	63.56

(93124)

RAYCHEM DURASEAL HEAT-SHRINKABLE,
ENVIRONMENTALLY-SEALED,
NYLON-INSULATED
CRIMP SPLICES

Heat-shrinkable crimp splices completely insulate and protect electrical connections from water, condensation, salt and corrosion. Provides strain relief and protects against wire pull-out and vibration in rugged environments. Easy-to-install, 1-pc. construction. Pre-installed nylon heat-shrink tubing is adhesive-lined for added protection against abrasions and cuts. Shrink ratio: 2:1. Operating temperature range: -55°C to 125°C. Ideal for wire-to-wire splicing in marine electronics, fleet maintenance, commercial wiring, and automotive/truck wiring maintenance applications. UL listed.



Mfg. Part No.	Color	AWG	Length/Dia. (In.)	Stock No.	Price Each
● D-406-0001	Red	22-18	1.25/0.145	09J4057	0.40
● D-406-0002	Blue	16-14	1.25/0.180	09J4058	0.40
● D-406-0003	Yellow	12-10	1.50/0.250	09J4059	0.72

(80042)

RAYCHEM RHW SERIES
HEAVY-WALL, ADHESIVE-
LINED POLYOLEFIN HEAT-
SHRINK TUBING

RHW series rugged, heavy-wall, adhesive-lined polyolefin heat-shrink tubing is specifically designed for insulating, protecting and sealing electrical connections and joints in low-voltage cable. Withstands mechanical abuse for increased product reliability. Highly-resistant to impact, abrasion, chemicals, moisture and oils. Minimum shrink temperature: 110°C. Minimum full recovery temperature: 125°C. Operating temperature range: -55°C to 110°C. UL listed file E115664. **Sold in 1' lengths.**



Mfg. Part No.	Size and Color	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Stock No.	Price Each
● RHW-20/6-1200/ADH-2	20/6 Red	0.787	0.236	0.098	76K1329	14.49
● RHW-51/16-1200/ADH-0	51/16 Black	2.008	0.630	0.177	76K1327	32.36

(89380)

RAYCHEM NT-MIL SERIES
FLEXIBLE MODIFIED
ELASTOMERIC HEAT-SHRINK
TUBING

NT-MIL series modified elastomeric heat-shrink tubing offers outstanding resistance to abrasion and physical abuse while providing flexibility and strain relief needed in many harnessing and wire bundling applications in military and aerospace industries. Meets stringent requirements of AMS-DTL-23053/1, Classes 1 and 2. Remains flexible at temperatures as low as -70°C without cracking. Withstands heat shock at 200°C without dripping, flowing or cracking. Resistant to common fluids and solvents. Full recovery temperature: 135°C. Continuous operating range: -70°C to 121°C. Color: black. **Sold in spool sizes indicated in table below.**



Mfg. Part No.	Size Dia. (In.)	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Spool Size (Ft.)	Stock No.	Price per Foot
● NT-MIL-1/4-0-SP	0.25	0.250	0.143	0.035	300	09J3936	1.49
● NT-MIL-3/8-0-SP	0.375	0.375	0.211	0.065	300	09J3938	1.79
● NT-MIL-1/2-0-SP	0.5	0.500	0.286	0.048	300	09J3935	1.98
● NT-MIL-1-0-SP	1	1.000	0.570	0.07	200	18M9250	3.34

(79601)

FP-301 AND FP-301VW SERIES HEAT-SHRINK
TUBING ASSORTMENT PACKS

FP-301 series general-purpose and **FP-301VW series** flame-resistant tubing "size" assortment packs are 6" pieces, in black only. **FP-301 series** general-purpose tubing "color" assortment packs are 6" pieces, 7 colors per pack: black, clear, white, red, yellow, blue, and green.

FP-301A SERIES GENERAL-PURPOSE TUBING — SIZE AND COLOR ASSORTMENT PACKS

Mfg. Part No.	Size	Assortment	Description	Total Footage	Stock No.	Price per Pkg.
● FP-301-3/64-3/16-BLACK	3/64 - 3/16"	Size	6 Pieces Each of 5 Sizes	15'	97M7299	19.21
● FP-301 1/4"-3/4" ASSORT	1/4 - 3/4"	Size	4 Pieces Each of 4 Sizes	8'	97M6849	12.24
● FP-301 1"-4" ASSORT	1 - 4"	Size	2 Pieces Each of 5 Sizes	5'	97M6853	12.24
● FP-301-1/8-ASSORT	1/8"	Color	4 Pieces Per Color	14'	97M6861	11.36
● FP-301-1/4-ASSORT	1/4"	Color	3 Pieces Per Color	10.5'	97M6860	11.36
● FP-301-3/8-ASSORT	3/8"	Color	2 Pieces Per Color	7'	97M6862	11.36
● FP-301-1/2-ASSORT	1/2"	Color	2 Pieces Per Color	7'	08M3240	11.36

➤ CONTINUED ➤

HEAT-SHRINK TUBING KITS

FP-301 AND FP-301VW SERIES HEAT-SHRINK TUBING ASSORTMENT PACKS (CONT.)

FP-301VW SERIES FLAME-RESISTANT TUBING — SIZE ASSORTMENT PACKS, BLACK ONLY

Mfg. Part No.	Size	Assortment	Description	Total Footage	Stock No.	Price per Pkg.
● FP-301VW 3/64"-3/16" AST	3/64" - 3/16"	Size	6 Pieces Each of 5 Sizes	15'	95F7720	12.24
● FP-301VW 1/4"-3/4" AST	1/4" - 3/4"	Size	4 Pieces Each of 4 Sizes	8'	97M6867	12.24
● FP-301VW 1"-4" ASSORT	1" - 4"	Size	2 Pieces Each of 5 Sizes	5'	97M6870	28.88

(6393)

NST SERIES (2:1) SHRINK RATIO, THICK-WALL, NEOPRENE HEAT-SHRINK TUBING

NST series neoprene thick-wall heat-shrink tubing provides superior cut-through and abrasion resistance. Excellent resistance to oils too. Maintains flexibility at low temperature. Rated for continuous operation from -70°C (-94°F) to 121°C (250°F). Recommended for applications requiring a tough, highly-flexible covering to operate in severe environmental conditions. Oil resistance properties make tubing ideal for auto, military and construction equipment industries. It is particularly useful for fabrication and repair of flexible harnesses and wire bundles and for covering hydraulic couplings. Meets military specifications: MIL-R-46846, Type 1, Class 1; MIL-DTL-23053/1, Class 1,2; AMS-3623. Color: black. Sold in spool sizes indicated in table below.



Mfg. Part No.	Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Recovered Wall Nom. Thick. (In.)	Spool Size (Ft.)	Stock No.	Price per Spool
NST 1/4	0.25	0.250	0.125	0.035	200	11J5724	335.02
NST 3/8"	0.375	0.375	0.187	0.04	100	95F7712	187.31
NST-1/2-BLACK	0.5	0.500	0.250	0.048	100	05J1789	201.33
NST-5/8-BLACK	0.625	0.625	0.312	0.052	100	05J1790	245.01
NST 3/4"	0.75	0.750	0.375	0.057	100	95F7714	282.06
NST-1-BLACK	1	1.000	0.500	0.07	50	05J1788	423.32

(79144)

(3:1) SHRINK RATIO HEAT-SHRINK TUBING KIT



Mfg. part no. EPS 300 (3:1) shrink ratio tubing kit is an assortment of adhesive-lined, flexible polyolefin heat-shrinking tubing that comes in red and black. Includes product and installation information on storage case cover. Kit contains: 42-pieces; all pieces are 6" lengths; 12 each of 1/2" diameter red and black, 6 each of 3/4" diameter red and black, and 3 each of 1" diameter red and black. Order replacement tubing packs; go online or call.



Mfg. Part No.	Description	Stock No.	Price Each
● EPS-300	Heat-Shrink Tubing Kit	04P7495	137.97

(79072)

8420 SERIES COLD SHRINK CONNECTOR INSULATORS



- Simple, Safe Insulation
- No Torches or Heat Required
- Easily Reopened for Required Disconnects or Inspections
- Good Thermal Stability
- Meets Water Seal Requirements of ANSI 119.1
- Constant Radial Pressure Provides a Permanent Seal Without Adhesive or Glue



Ideal for insulation and environmental sealing of electrical connections. Offers excellent abrasion resistance and toughness with water and ozone resistance. Insulators are open-ended, tubular, rubber sleeves that are factory expanded and assembled onto a removable plastic core. After the tube is positioned for installation over an inline connection, coupling or termination, the core is removed allowing the tube to shrink and form a water-resistant seal. Unwind the core to install. No tools are required. Other sizes also available; go online or call.

Mfg. Part No.	Relaxed Tubing Diameter	Cable Range	Relaxed Tube Length	Stock No.	Price Each
● 8423-6P	0.40"	0.40"-0.82"	6"	18C5502	19.82
● 8424-8P	0.69"	0.69"-0.69"	8"	22C8577	25.41
● 8426-9P	0.95"	0.95"-1.94"	9"	18C5516	26.55

(65686)

FP-301VW SERIES (2:1) SHRINK RATIO POLYOLEFIN HEAT-SHRINK TUBING KITS



Just Added

FP301 series general-purpose, flexible polyolefin heat-shrink tubing kits contain a variety of popular tubing sizes in all-black or multi-color assortments. The all-black tubing kit contains 102 pieces of 6" tubing lengths, in 6 sizes ranging from 3/16" to 1". The assorted color kit contains over 66 feet — a total of 133 pieces of 6" lengths in 6 diameters and 7 colors: black, red, white, yellow, blue, green, and clear. Includes: 5 of each color in 3/32" (2.36) size, 4 of each color in 1/8" (3.18) size, 3 of each color in 3/16" (4.75) size, 3 of each color in 1/4" (6.35) size, 2 of each color in 3/8" (9.53) size, and 2 of each color in 1/2" (12.70) size. Both kits are packaged in a plastic storage case. Order replacement tubing packs separately on pages 1250-1251.

Mfg. Part No.	Description	Stock No.	Price Each
● FP-301 KIT BLACK	All-Black Tubing Kit	16P8446	74.08
● FP-301 KIT ASSORTED	Assorted Color Tubing Kit	66F9674	74.08

(6473)

FIT® HEAT-SHRINK TUBING ASSORTMENT SAMPLER KITS



FIT® KITS provide a complete sampler selection of the most popular FIT® heat-shrink tubing types, colors, and sizes. Kits contain all necessary materials to satisfy strain relief, splicing, connecting, environmental protection, and cable repair needs. Ideal for use in R&D labs, engineering development and maintenance departments. Packaged in a portable, convenient molded case with formed compartments for neatly holding all components. Kit contents can also be purchased individually; go online or call.

FIT® KIT-2

Mfg. Part No.	Tubing Mfg. Part No. and Material	FIT® KIT-2 Contents		Stock No.	Price per Kit
		Sizes (Assorted Colors)	No. of Lgths.		
● FKIT2 NC032	FIT-105 Vinyl	9 Sizes 3/64"-3/4"	18 ...	81F9270	212.76
	FIT-221 Polyolefin	9 Sizes 3/64"-3/4"	19 ...		
	FIT-295 Semi-Rigid Polyolefin	8 Sizes 3/64"-1/2"	12 ...		
	FIT-300 Surface-Irradiated Polyolefin	5 Sizes 1/8"-1/2"	10 ...		
	FIT-321 Adhesive-Lined Polyolefin	2 Sizes 1/4"-1/2"	16 24		
	FIT-350 Kynar®*	7 Sizes 3/64"-3/8"	14 ...		
	FIT-400 FEP Teflon®***	6 Sizes 12 - 24 AWG	22 ...		
	FIT-500 TFE Teflon®***	5 Sizes 18 - 26 AWG	17 ...		
	FIT-600 Elastomer	5 Sizes 1/4"-1"	8 ...		
	FIT-700 Mastic-Lined Cable Sleeves	2 Sizes 21, 22	2 ...		
	FIT-750 Adhesive-Lined Cable Sleeves	1 Size 3/8"	... 10		
	FIT-CAPS Polyolefin	Cap 22, 23, 24	6 Caps ...		
	FIT-CRIMPS Nylon	22 - 10 AWG	3 Pcs. ...		

▶ CONTINUED ▶

New products added weekly

(148886)

See the newest products, technologies and suppliers on our website.

HEAT-SHRINK TUBING KITS

FIT® HEAT-SHRINK TUBING
ASSORTMENT SAMPLER KITS (CONT.)

FIT® KIT-7

Mfg. Part No.	FIT® KIT-7 Contents			Stock No.	Price per Kit
	Tubing Mfg. Part No. and Material	Sizes (Assorted Colors)	No. of 6" Lengths		
● FKIT7 NC032	FIT-105 Vinyl	7 Sizes 1/8"-1/2"	14	46F3173	288.69
	FIT-400 FEP Teflon®**	7 Sizes 24 - 12 AWG	14		
	FIT-221 2:1 Polyolefin	7 Sizes 1/8"-1/2"	28		
	FIT-750 Adhesive-Lined Polyolefin	5 Sizes 1/4"-1"	10		
	FIT-260 Ground Lead Polyolefin	3 Sizes 1/8"-1/2"	6		
	FIT-300 Surface-Irradiated Polyolefin	4 Sizes 1/2"-3/8"	8		
	FIT-321 3:1 Polyolefin	3 Sizes 1/8"-1/2"	6		
	FIT-350 Kynar®*	7 Sizes 1/8"-1/2"	14		
	FIT-CRIMPS Shrink Nylon Crimps	3 Sizes 1-3	12 Pcs.		

*Kynar® is a registered trademark of Arkema, Inc.; **Teflon® is a registered trademark of E.I. DuPont de Nemours and Co. (6403)

FIT® HEAT-SHRINK
TUBING VARIETY PACK
WITH MINIGUN

Choose FIT MGKIT 1 FIT® Heat-Shrink Tubing Variety Pack with MiniGun for:

- A convenient variety pack of Alpha Wire's FIT® -221 general-purpose irradiated polyolefin heat-shrinkable tubing (consisting of 60 6" long cut pieces in 5 sizes and 6 colors)
- Alpha's smallest heat gun, FIT® MiniGun, with a nozzle temperature to 1000°F, 6' cord, rated 120V, 360W, 3A, UL listed
- Convenience in the field or in the shop
- Cost-effective solution for electrical and electronics technicians



These completely portable and extremely compact kits include all necessary materials to satisfy strain relief, splicing, connecting, identification, environmental protection and cable repair applications. Select the variety pack needed, with or without the FIT® MiniGun, or order additional MiniGuns separately below.

FIT®-221 HEAT-SHRINK TUBING VARIETY PACKS CONSISTS OF: 60 — 6" LENGTHS, 2:1 SHRINK RATIO

Size	Black	White	Red	Blue	Yellow	Green
1/8"	4	3	2	2	2	1
3/16"	4	3	2	2	2	1
1/4"	4	3	2	2	2	1
5/8"	3	2	1	1	1	1
1/2"	3	2	1	1	1	1

Mfg. Part No.	Description	Stock No.	Price Each
FITMGKIT1 NC032	FIT® Heat-Shrink Tubing Variety Pack with MiniGun	19C1492	113.67
● FIT-221-R MC213	FIT® Heat-Shrink Tubing Variety Pack without MiniGun	26C1082	38.41
FITMG1 NC032	FIT® MiniGun (Only)	10J9218	46.74

(73250)

FPA SERIES (2:1) SHRINK RATIO
GENERAL-PURPOSE FLEXIBLE
POLYOLEFIN HEAT-SHRINK TUBING
ASSORTMENTS

Sold in 6" lengths.

Mfg. Part No.	Tubing Size	Colors	Lengths Per Pkg.	Stock No.	Price per Pkg.
● FPA-003-6030-AST	3/64-3/16"	Asst Colors	30	37N1182	12.96
● FPA-016-6016-AST	1/4-3/4"	Asst Colors	16	37N1183	10.16

(6278)

FIT®-221 GENERAL-PURPOSE,
IRRADIATED POLYOLEFIN
HEAT-SHRINK TUBING
ASSORTMENTS

FIT-KIT-221C



FIT-KIT-221BK

MFG. PART NO. FIT-221C MULTI-COLOR ASSORTMENT

Mfg. part no. FIT-221C for use in research and development labs, engineering development and maintenance departments; contains 102 6" long pieces of tubing in 6 popular sizes and colors indicated in table below. Operating temperature: -55°C to 135. Dielectric strength: 500V/mil.

Size	Black Quantity	Red Quantity	White Quantity	Yellow Quantity	Green Quantity	Clear Quantity
3/32"	4	4	4	4	4	4
1/8"	3	3	3	3	3	3
3/16"	3	3	3	3	3	3
1/4"	3	3	3	3	3	3
5/8"	2	2	2	2	2	2
1/2"	2	2	2	2	2	2

Mfg. Part No.	Description	Stock No.	Price per Kit
● FIT-KIT-221C	102-Pc. Multi-Color FIT-221 Heat-Shrink Tubing Assortment	88K1932	85.79

MFG. PART NO. FIT-221BK ALL-BLACK ASSORTMENT

Mfg. part no. FIT-221BK provides engineers and technicians with a complete assortment of tubing; contains 80 6" long pieces of black tubing in six sizes indicated in table below. Operating temperature: -55°C to 135. Dielectric strength: 500V/mil.

Size	Black — Quantity	Size	Black — Quantity
3/16"	25	1/2"	10
1/4"	20	3/4"	6
5/8"	15	1"	4

Mfg. Part No.	Description	Stock No.	Price per Kit
● FIT-KIT-221BK	80-Pc. All-Black FIT-221 Heat-Shrink Tubing Assortment	88K1931	72.35

MFG. PART NO. FIT-221-MS-1 BK032 ALL-BLACK ASSORTMENT

Mfg. part no. FIT-221-MS-1 BK032 assortment of FIT®-221 heat-shrink tubing contains 30 6" lengths of black tubing, six pieces of each sizes: 3/64", 1/16", 3/32", 1/8" and 3/16".

Mfg. Part No.	Description	Stock No.	Price per Kit
● FIT-221-MS-1 BK032	30-Pc. All-Black FIT-221 Heat-Shrink Tubing Assortment	28B5271	23.87

(73249)

HEAT-SHRINK
TUBING KITS

Kits contain a wide assortment of heat-shrink tubing, listed in the table below, enabling the engineer to choose the best kind for each application before putting a prototype into production. The basic kit contains 88 pieces of tubing, each 6" (150) long. The advanced kit contains 174 pieces of tubing, each 3" (75) long. Both kits are packaged in a sectioned, high-impact polystyrene storage box with "Quick-Scan" chart identifying contents.

KIT CONTENTS

Mfg. Part No.	Description	Basic Kit Pcs.	Advanced Kit Pcs.
PVS	Flexible Polyvinylchloride 105 Shrink Tubing	18	18
FPS	Flexible Polyolefin Shrink Tubing	18	18
FPF	Flexible Polyolefin Flame-Retardant Shrink Tubing	18	18
KYS	Kynar® Polyvinylidene Shrink Tubing	15	16
PHD	Multiple Wall Polyolefin Shrink Tubing with Thermoplastic Adhesive Liner	9	10
SRM	Semi-Rigid, Multiple Wall Polyolefin Shrink Tubing	10	10
LTP	Flexible Polyolefin, Low-Temp. Shrink Tubing	10	18
PHS	Flexible, Multi-Wall, Adhesive-Lined, High-Ratio Shrink Tubing	...	10
PVHR	Irradiated PVC 105 Shrink Tubing	...	18
TTS	Teflon® (TFE) Shrink Tubing	...	12

► CONTINUED ►

HEAT-SHRINK TUBING KITS

HEAT-SHRINK TUBING KITS (CONT.)

Mfg. Part No.	Description	Basic Kit Pcs.	Advanced Kit Pcs.
SST TFM	Teflon® Super-Shrink Tubing Teflon® (TFE) w/ FEP Inner-Melt Teflon® Tubing	...	14
		...	12
Mfg. Part No.	Description	Stock No.	Each
SPC10858	Basic Kit	27C7809	89.68
SPC10857	Advanced Kit	27C7803	250.18

(6360)

SHRINK-A-SHIELD TUBING KIT



Heat-shrink tubing with EMI/RFI shielding. 2:1 shrink ratio polyolefin with conductive cloth liner combines an efficient shield with a shrink-fit jacket. Ideal for shielding wire or cable, adding additional shielding, or repairing shielding that has been stripped back for wire termination. Meets MIL-I-25053/5, Class 1 specifications. Passes VW-1 vertical wire flame test. Dielectric strength: 300 volts/mil. Attenuation averages 85dB from 1MHz to 1GHz. Temperature range: -40°F to +250°F. Kit includes 1' of shielding tubing and 3' of 24 AWG grounding wire.

Mfg. Part No.	Size	Recom. Usable I.D. Range	Recovered Nom. Wall Thickness	Stock No.	Price per Kit 1-4
● SPC5086	3/16"	0.093 - 0.187"	0.020"	50N161	9.69
● SPC5087	1/4"	0.125 - 0.250"	0.025"	50N162	14.25
● SPC5088	3/8"	0.188 - 0.375"	0.025"	50N163	18.33
● SPC5089	1/2"	0.250 - 0.500"	0.025"	50N164	21.46
● SPC5090	3/4"	0.375 - 0.750"	0.030"	50N165	24.96
● SPC5091	1"	0.500 - 1.000"	0.035"	50N166	29.67

(34083)

RAYCHEM VERSAFIT™ HIGHLY FLAME-RETARDANT, LOW-RECOVERY TEMPERATURE HEAT-SHRINK TUBING AND KITS



Versafit™ series heat-shrink tubing is ideal for a variety of functions in commercial and military applications, such as insulating and protecting in-line components and wire bundles for very flexible harnesses. Constructed from a crosslinked polyolefin to provide high flame-retardance (VW-1), excellent flexibility and a low shrink temperature. Full recovery temperature: 90°C. Operating temperature range: -55°C to 135°C. Meets military AMS-DTL-23053/5, Classes 1, 3 specifications. UL recognized, CSA certified at 125°C, 600V, with VW-1 flammability rating. Color: black. Sold in mini and regular spool sizes indicated in table below.

MINI SPOOLS

Mfg. Part No.	Size Dia. (in.)	Exp. I.D. (in.)	Rec. I.D. (in.)	Color	Spool Size (ft.)	Stock No.	Price per Spool 1-2
● VERSAFIT-MINI-SPL-3/64-BK	0.047	0.064	0.023	Black	100	09J4055	26.57
● VERSAFIT-MINI-SPL-1/16-BK	0.063	0.073	0.031	Black	75	09J4046	26.57
● VERSAFIT-MINI-SPL-3/32-BK	0.094	0.110	0.046	Black	65	09J4053	27.90
● VERSAFIT-MINI-SPL-1/8-BK	0.125	0.135	0.062	Black	60	09J4051	27.90
● VERSAFIT-MINI-SPL-3/16-BK	0.188	0.205	0.093	Black	50	09J4052	27.90
● VERSAFIT-MINI-SPL-1/4-BK	0.25	0.280	0.125	Black	40	09J4050	27.90
● VERSAFIT-MINI-SPL-3/8-BK	0.375	0.400	0.187	Black	35	09J4056	27.90
● VERSAFIT-MINI-SPL-1/2-BK	0.5	0.540	0.250	Black	30	09J4049	27.90
● VERSAFIT-MINI-SPL-3/4-BK	0.75	0.805	0.375	Black	25	09J4054	27.90
● VERSAFIT-MINI-SPL-1-BK	1	1.055	0.500	Black	15	09J4047	26.57

REGULAR SIZE SPOOLS

● VERSAFIT-3/16-0-SP	0.188	0.205	0.093	Black	1000	95M8524	242.95
● VERSAFIT-1-1/2-2-SP	1.5	0.157	0.75	Red	125	95M8491	221.52
● VERSAFIT-1-1/2-4-SP	1.5	0.157	0.75	Yellow	125	95M8499	199.03
● VERSAFIT-1-1/2-6-SP	1.5	0.157	0.75	Blue	125	95M8502	221.52
● VERSAFIT-1-1/2-9-SP	1.5	0.157	0.75	White	125	95M8506	221.52
● VERSAFIT-2-2-SP	2	2.08	1	Red	125	95M8511	306.44
● VERSAFIT-2-4-SP	2	2.08	1	Yellow	125	95M8513	306.44
● VERSAFIT-2-6-SP	2	2.08	1	Blue	125	95M8515	306.44

VERSAFIT™ TUBING KITS IN BLACK OR ASSORTED COLORS

A variety of Versafit™ heat-shrink tubing kits in popular diameter sizes. Choice of all black or assorted colors. Mfg. part no. VERSAFIT-KIT-NO.1-BLACK 126-pc. kit includes: 30 3/16", 28 1/4", 24 3/8", 20 1/2", 14 3/4" and 10 1" pre-cut 6" pieces. Mfg. part no. VERSAFIT-KIT-NO.2-COLORS 133-pc. kit includes: 35 3/2", 28 1/8", 21 each of 3/16" and 1/4", 14 each of 3/8" and 1/2" pre-cut 6" pieces. Order refills for tubing kits separately below.

➔ CONTINUED ➔

RAYCHEM VERSAFIT™ HIGHLY FLAME-RETARDANT, LOW-RECOVERY TEMPERATURE HEAT-SHRINK TUBING AND KITS (CONT.)

TUBING KITS AND REFILLS — BLACK

Mfg. Part No.	Size Dia. (in.)	Expanded I.D. (in.)	Recovered I.D. (in.)	No. of 6" Pcs.	Stock No.	Price Per Kit 1-24
VERSAFIT-KIT-NO.1-BLACK	Assorted			126	09J4002	70.37
● VERSAFIT-KIT-6-BLACK	Assorted			24†	09J4045	8.80
VERSAFIT-KIT-4-BLACK	Assorted			18*	09J4044	7.80
● VERSAFIT-3/16-KT1-REFILL	0.188	0.135	0.062	30	09J6840	9.31
● VERSAFIT-1/4-KT1-REFILL	0.25	0.280	0.125	28	09J6837	9.31
● VERSAFIT-3/8-KT1-REFILL	0.375	0.805	0.375	24	09J6844	9.31
● VERSAFIT-1/2-KT1-REFILL	0.5	0.540	0.250	20	09J6835	9.31
● VERSAFIT-3/4-KT1-REFILL	0.75	0.205	0.093	14	09J6843	9.31
● VERSAFIT-1-KT1-REFILL	...	1.055	0.500	10	09J4003	9.05

*3 pieces each of dia. sizes listed; †6 pieces each of dia. sizes listed

TUBING KITS AND REFILLS — ASSORTED COLORS

Mfg. Part No.	Size Dia. (in.)	Expanded I.D. (in.)	Recovered I.D. (in.)	No. of 6" Pcs.	Stock No.	Price per Kit 1-24
● VERSAFIT-KIT-NO.2-COLORS	Assorted			133	09J4010	75.03
● VERSAFIT-3/32-KT2-REFILL	0.094	0.110	0.046	35	09J6842	9.68
● VERSAFIT-1/8-KT2-REFILL	0.125	0.135	0.062	28	09J6839	9.31
● VERSAFIT-3/16-KT2-REFILL	0.188	0.135	0.062	21	09J6841	9.31
● VERSAFIT-1/4-KT2-REFILL	0.25	0.280	0.125	21	09J6838	9.27
● VERSAFIT-3/8-KT2-REFILL	0.375	0.805	0.375	14	09J6845	9.31
● VERSAFIT-1/2-KT2-REFILL	0.5	0.540	0.250	14	09J6836	9.31

(79960)

RAYCHEM DWP-125 HEAT-SHRINK TUBING KIT #3



- Adhesive-lining helps seal out moisture
- 3:1 shrink ratio
- Min. full recovery temperature: 125°C
- Operating temperature: -40°C to 110°C
- UL recognized, CSA certified @ 125°C, 600V



Flexible DWP-125 adhesive-lined, medium-wall, flame-retardant polyolefin heat-shrink tubing is a versatile, environmentally friendly choice for many commercial applications that require mechanical protection and sealing against moisture and chemical ingress. As it shrinks, the inner adhesive liner melts and flows to seal and encapsulate components or splices contained within. Mfg. part no. DWP-125-KIT3 is comprised of 111 pieces of heat-shrink tubing in 6" cut lengths packaged in a durable six section plastic box with hinged lid. DWP-125 tubing assortment consists of: 25 1/4" I.D. pieces (15 black, 5 white, 5 red), 25 3/16" I.D. pieces (15 black, 5 white, 5 red), 24 1/2" I.D. pieces (20 black, 4 red), 10 1/2" I.D. pieces (7 black, 3 red), 5 3/4" I.D. pieces (3 black, 2 red), and 3 1" I.D. black pieces. This kit also includes 19 pieces of clear Thermofit® ES1000 semi-rigid, adhesive-lined polyolefin 4:1 ratio heat-shrink tubing in sizes No. 1 through 4. Order refills for DWP-125 tubing separately below.

Mfg. Part No.	Description	Stock No.	Price Each
● DWP-125-KIT3	111-Pc. Heat-Shrink Tubing Kit #3	42M3162	71.04

DWP-125 HEAT-SHRINK TUBING REFILLS FOR KIT #3 (ABOVE)

Mfg. Part No.	Expanded I.D. (in.)	No. of 6" Pcs. per Refill	Fits AWG Size	Colors	Stock No.	Price per Refill
● DWP-125-1/8-KIT3-REFILL	1/8	25	20-16	15 Black, 5 White, 5 Red	42M3166	10.73
● DWP-125-3/16-KIT3-REFILL	3/16	25	14-10	15 Black, 5 White, 5 Red	42M3167	10.73
● DWP-125-1/4-KIT3-REFILL	1/4	24	12-10	20 Black, 4 Red	42M3165	10.73
● DWP-125-1/2-KIT3-REFILL	1/2	10	6-3	7 Black, 3 Red	42M3164	10.73
● DWP-125-3/4-KIT3-REFILL	3/4	5	2-1/0	3 Black, 2 Red	42M3168	10.73
● DWP-125-1-KIT3-REFILL	1	3	2/0-4/0	3 Black	42M3163	10.73

DSF-125 HEAT-SHRINK TUBING, SIZE 1/2 — SOLD IN 4-FT. LENGTHS

Mfg. Part No.	I.D. Min. Expanded (mm)	I.D. Max. Recovered (mm)	Recovered Wall Thickness Nom. (mm)	Stock No.	Price per Foot
● DWP-125-1/2-0-STK	12.7	4.0	0.67	72J5088	1.45

(93123)

INSULATING TUBING • RACEWAYS

VOLTREX™ BRAND PVI
SERIES PVC
INSULATING TUBING

INSULTAB

SPC
TECHNOLOGYVOLTREX®
brand

Superior high dielectric strength, abrasion resistance and environmental and UV stability. An excellent, all-purpose flexible tubing for electrical insulation, ground strap and chafing protection and bundling and protecting wire harnesses. Resistant to many chemicals, oils, acids and heat. Operating temperature range: -20°C to 105°C. Tensile strength: 2780 psi. Dielectric strength: 870 vpm. UL Subject 224 VW-1, CSA OFT: Size #24 through #1 UL rated for 300V, Size ½ through 2" UL rated for 600V, MIL-I-631 D Grade C QPL Approved. Color: black. Also available in clear, except type numbers with (*). Call NewmarkOne. Made in the U.S.A. Sold in spool sizes indicated below.

Mfg. Part No.	AWG Size	Inside Diameter			Wall Thickness		Spool Size	Stock No.	Price per Spool 1-9
		Nom.	Max.	Min.	Nom.	±			
● PVI-S24-1100-BLK	24	0.022"	0.027"	0.020"	0.012"	0.002"	100'	03F3576	15.88
● PVI-S22-1100-BLK	22	0.027"	0.033"	0.025"	0.012"	0.002"	100'	03F3581	16.32
● PVI-S20-1100-BLK	20	0.034"	0.039"	0.032"	0.016"	0.003"	100'	03F3587	16.32
● PVI-S19-1100-BLK*	19	0.038"	0.044"	0.036"	0.016"	0.003"	100'	03F3709	14.45
● PVI-S18-1100-BLK	18	0.042"	0.049"	0.040"	0.016"	0.003"	100'	03F3592	16.79
● PVI-S17-1100-BLK	17	0.047"	0.055"	0.045"	0.016"	0.003"	100'	03F3704	14.86
● PVI-S16-1100-BLK	16	0.053"	0.061"	0.051"	0.016"	0.003"	100'	03F3597	16.79
● PVI-S15-1100-BLK	15	0.059"	0.066"	0.057"	0.016"	0.003"	100'	03F3699	14.86
● PVI-S14-1100-BLK	14	0.066"	0.072"	0.064"	0.016"	0.003"	100'	03F3602	16.79
● PVI-S13-1100-BLK	13	0.076"	0.080"	0.072"	0.016"	0.003"	100'	03F3694	17.14
● PVI-S12-1100-BLK	12	0.085"	0.089"	0.081"	0.016"	0.003"	100'	03F3607	17.61
● PVI-S11-1100-BLK	11	0.095"	0.101"	0.091"	0.016"	0.003"	100'	03F3688	20.34
● PVI-S10-1100-BLK	10	0.106"	0.112"	0.102"	0.016"	0.003"	100'	03F3612	19.87
● PVI-S09-1100-BLK	9	0.118"	0.124"	0.114"	0.020"	0.003"	100'	03F3683	20.34
● PVI-S08-1100-BLK	8	0.133"	0.141"	0.129"	0.020"	0.003"	100'	03F3617	20.78
● PVI-S07-1100-BLK	7	0.148"	0.158"	0.144"	0.020"	0.003"	100'	03F3678	21.22
● PVI-S06-1100-BLK	6	0.166"	0.178"	0.162"	0.020"	0.003"	100'	03F3622	21.22
● PVI-S05-1100-BLK	5	0.186"	0.198"	0.182"	0.020"	0.003"	100'	03F3673	21.60
● PVI-S04-1100-BLK	4	0.208"	0.224"	0.204"	0.020"	0.003"	100'	03F3627	22.07
● PVI-S03-1100-BLK	3	0.234"	0.249"	0.229"	0.020"	0.003"	100'	03F3759	22.48
● PVI-S02-1100-BLK	2	0.263"	0.278"	0.258"	0.020"	0.003"	100'	03F3632	23.97
● PVI-S01-1100-BLK*	1	0.294"	0.311"	0.289"	0.020"	0.003"	100'	03F3764	25.03
● PVI-020-1100-BLK ¾"	¾"	0.313"	0.334"	0.313"	0.025"	0.003"	100'	03F3637	29.33
● PVI-S00-1100-BLK	0	0.330"	0.347"	0.325"	0.025"	0.003"	100'	03F3642	29.80
● PVI-024-1100-BLK ¾"	¾"	0.375"	0.399"	0.375"	0.025"	0.003"	100'	03F3647	30.65
● PVI-028-1100-BLK ¾"	¾"	0.438"	0.462"	0.438"	0.025"	0.003"	100'	03F3768	38.30
● PVI-032-1100-BLK ½"	½"	0.500"	0.524"	0.500"	0.025"	0.003"	100'	03F3652	41.43
● PVI-040-1100-BLK* ¾"	¾"	0.625"	0.655"	0.625"	0.030"	0.003"	100'	03F3657	47.59
● PVI-048-1050-BLK* ¾"	¾"	0.750"	0.786"	0.750"	0.035"	0.005"	50'	03F3661	40.15
● PVI-064-1050-BLK 1"	1"	1.000"	1.036"	1.000"	0.035"	0.005"	50'	03F3667	51.37
● PVI-128-1050-BLK 2"	2"	2.000"	2.070"	2.000"	0.060"	0.010"	50'	03F3786	134.26

(9931)

VOLTREX™ BRAND
TEFLON®
INSULATING TUBINGSPC
TECHNOLOGY

Non-toxic, chemically inert tubing offers superior insulating and highly stable electrical properties. Features excellent electrical resistance and translucent clarity. Withstands wicking, moisture absorption, and contamination. Continuous operating temperature: -230°C to +260°C. UL 94V-0 flammability rating. TTI series is used for miniaturized and compact installations. TSI series is used where extra-dielectric or mechanical strength is needed. Made in the U.S.A. Sold in 100 spools.

AMS-3655 TTI SERIES THIN-WALL TEFLON® TUBING

Mfg. Part No.	AWG Size	Inside Diameter			Wall Thickness		Spool Size	Price per Spool
		Nominal	Max.	Min.	Min.	Max.		
● TTI-S28-1100-NAT	28	0.015"	0.018"	0.013"	0.007"	0.011"	37N489	29.02
● TTI-S26-1100-NAT	26	0.018"	0.021"	0.016"	0.007"	0.011"	37N490	29.67
● TTI-S24-1100-NAT	24	0.023"	0.027"	0.020"	0.007"	0.013"	37N491	30.50
● TTI-S22-1100-NAT	22	0.028"	0.032"	0.026"	0.007"	0.013"	37N492	36.29
● TTI-S20-1100-NAT	20	0.035"	0.038"	0.032"	0.009"	0.015"	37N493	45.51
● TTI-S18-1100-NAT	18	0.043"	0.046"	0.040"	0.009"	0.015"	37N494	51.07
● TTI-S16-1100-NAT	16	0.055"	0.058"	0.051"	0.009"	0.015"	37N495	60.58
● TTI-S14-1100-NAT	14	0.068"	0.072"	0.064"	0.009"	0.015"	37N496	70.92
● TTI-S12-1100-NAT	12	0.085"	0.091"	0.081"	0.009"	0.015"	37N481	83.75
● TTI-S10-1100-NAT	10	0.106"	0.112"	0.102"	0.009"	0.015"	37N482	90.60
● TTI-S08-1100-NAT	8	0.134"	0.139"	0.129"	0.012"	0.018"	37N483	154.85
● TTI-S06-1100-NAT	6	0.168"	0.174"	0.162"	0.012"	0.018"	37N484	162.41
● TTI-S00-1100-NAT	0	0.334"	0.342"	0.325"	0.012"	0.018"	37N487	275.23

AMS-3653B TSI SERIES STANDARD WALL TEFLON® TUBING

● TSI-S24-1100-NAT	24	0.023"	0.026"	0.020"	0.010"	0.014"	37N1580	41.61
● TSI-S22-1100-NAT	22	0.028"	0.032"	0.026"	0.010"	0.014"	37N1581	48.88

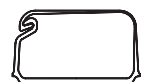
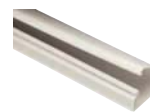
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VOLTREX™ BRAND TEFLON® INSULATING TUBING (CONT.)

AMS-3653B TSI SERIES STANDARD WALL TEFLON® TUBING

Mfg. Part No.	AWG Size	Inside Diameter			Wall Thickness		100' Spool	
		Nominal	Max.	Min.	Min.	Max.	Stock No.	Price per Spool
● TSI-S20-1100-NAT	20	0.035"	0.038"	0.032"	0.013"	0.019"	37N1582	55.56
● TSI-S18-1100-NAT	18	0.043"	0.046"	0.040"	0.013"	0.019"	37N1584	69.03
● TSI-S16-1100-NAT	16	0.055"	0.058"	0.051"	0.013"	0.019"	37N1586	83.28
● TSI-S14-1100-NAT	14	0.068"	0.072"	0.064"	0.013"	0.019"	37N1588	96.51
● TSI-S12-1100-NAT	12	0.085"	0.091"	0.081"	0.013"	0.019"	37N1590	112.29
● TSI-S10-1100-NAT	10	0.106"	0.112"	0.102"	0.013"	0.019"	37N1592	148.11
● TSI-S08-1100-NAT	8	0.134"	0.139"	0.129"	0.016"	0.024"	37N1594	163.95
● TSI-S07-1100-NAT	7	0.148"	0.155"	0.144"	0.016"	0.024"	37N1595	181.80
● TSI-S06-1100-NAT	6	0.168"	0.174"	0.162"	0.016"	0.024"	37N1596	188.12
● TSI-S05-1100-NAT	5	0.189"	0.195"	0.182"	0.016"	0.024"	37N1597	234.99
● TSI-S04-1100-NAT	4	0.211"	0.218"	0.204"	0.016"	0.024"	37N1598	234.99

(6358)

PAN-WAY® TYPES LDPH
AND LD — HINGED COVER
SURFACE RACEWAY

- Hinged cover design allows cable to be laid-in instead of pulled through
- Factory-applied adhesive backing speeds installation
- Terminates using surface mount outlet box solutions or Mini-Com® surface mount boxes

Pan-Way® Types LDPH and LD single-channel, surface raceway is designed to route, protect and conceal data, voice and video cabling. Type LDPH tamper-resistant, power-rated raceway features a two-piece hinged cover design and is UL listed, CSA certified to 600V; meets UL5A and CSA C22.2 No. 62.1-03 standards. Ideal for routing power and fiber optic cabling. Supplied with pre-punched mounting holes. Type LD low-voltage raceway features a one-piece hinged cover design and is suited for low-voltage cabling (under 48V). Both raceway types can be used with the PAN-NET™ networking cabling system for Category 5 UTP, ScTP, coax and fiber-optic cabling applications. Color: electric ivory. Other colors and sizes available; go online or call. Order raceway fittings separately; go online or call. Priced per foot. Sold in packages of four 6' lengths.

TYPE LDPH RACEWAY — ELECTRIC IVORY

Mfg. Part No.	Width (in.)	Height (in.)	Stock No.	Price per Foot
				1-24
● LDPH01E6N-A	0.86	1.51	45K1434	6.80

TYPE LD RACEWAY — ELECTRIC IVORY

● LD3E6N-A	0.46	0.77	19K4338	4.70
● LD5E6N-A	0.6	1.01	78H3415	5.09

(13447)

JUNCTION BOXES FOR
TYPES LDPH, LD AND
T-45 RACEWAY

Cover knockouts fit raceway. User supplies connector and wall plate. Color: electrical ivory. Also available in gray, off-white, and white; go online or call.

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● JB1E1-A	Low Voltage, Single-Gang, 1-Piece Box	83F7009	6.65
● JB2E1	Power-Rated, Double-Gang, 2-Piece Box	83F7006	12.76
● JB1E1	Power-Rated, Single-Gang, 2-Piece Box	83F7005	9.56

(6500)

Huge Expanded Selection of Semiconductors

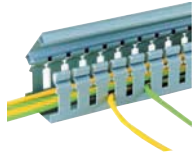
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Go online to find new technologies and proven solutions from world-class and specialist suppliers.

RACEWAYS

**PANDUCT® TYPE H — HINGED
COVER SLOTTED WALL
WIRING DUCT/RACEWAY**

- Unique hinged cover design reduces time spent on maintenance or reinstallation of wire
- Slotted duct and hinged cover come attached and packaged together
- Mounting holes provided
- UL94V-0 flammability rating
- Continuous use temperature rating: 50°C (122°F)



Panduct® Type H dual-sided hinged cover, slotted wall wiring duct/raceway is perfect to route and protect wire and cable in electrical control panels and data communications applications. The unique push-on hinged cover is simple to install and remove, and once installed can be opened from either side of the duct making access to wiring fast and easy. Material: lead-free PVC. Color: light gray. Slot width: 0.31". UL recognized, CSA certified, CE compliant. **Priced per foot. Sold in packages of eight 3' lengths or four 6' lengths for a total of 24'.**

3 FT. LENGTHS — DUCT BASE WITH HINGED COVER

Mfg. Part No.	Nominal W x H (in.)	Actual W x H (in.)	Stock No.	Price per Foot
● HC1.5X2LG3M	1.5 x 2	1.75 x 1.98	42M0686	13.05
● HC1.5X3LG3M	1.5 x 3	1.75 x 3.06	42M0688	15.16
● HC2X2LG3M	2 x 2	2.17 x 1.98	42M0690	13.34
● HC2X3LG3M	2 x 3	2.17 x 3.06	42M0692	15.91
● HC2X4LG3M	2 x 4	2.17 x 4.10	42M0694	18.20
● HC3X3LG3M	3 x 3	3.25 x 3.06	42M0696	18.98
● HC3X4LG3M	3 x 4	3.25 x 4.10	42M0698	22.04
● HC4X4LG3M	4 x 4	4.25 x 4.10	42M0700	24.06

6 FT. LENGTHS — DUCT BASE WITH HINGED COVER

● HC1.5X2LG6M	1.5 x 2	1.75 x 1.98	42M0687	10.65
● HC1.5X3LG6M	1.5 x 3	1.75 x 3.06	42M0689	12.77
● HC2X2LG6M	2 x 2	2.17 x 1.98	42M0691	10.95
● HC2X3LG6M	2 x 3	2.17 x 3.06	42M0693	13.53
● HC2X4LG6M	2 x 4	2.17 x 4.10	42M0695	15.81
● HC3X3LG6M	3 x 3	3.25 x 3.06	42M0697	16.59
● HC3X4LG6M	3 x 4	3.25 x 4.10	42M0699	19.65
● HC4X4LG6M	4 x 4	4.25 x 4.10	42M0701	21.67

(91203)

**PANDUCT® TYPE HS —
HINGED COVER SOLID WALL
WIRING DUCT/RACEWAY**

- Unique hinged cover design reduces time spent on maintenance or reinstallation of wire
- Solid wall duct and hinged cover come attached and packaged together
- Supplied without mounting holes
- UL94V-0 flammability rating
- Continuous use temperature rating: 50°C (122°F)



Panduct® Type HS dual-sided hinged cover, solid wall wiring duct/raceway is ideal to route, protect and conceal data, voice, video, fiber-optic and power cabling. The unique push-on hinged cover is simple to install and remove, and once installed can be opened from either side of the duct making access to wiring fast and easy. Material: lead-free PVC. Color: light gray. UL recognized, CSA certified, CE compliant. **Priced per foot. Sold in packages of eight 3' lengths or four 6' lengths for a total of 24'.**

3 FT. LENGTHS — DUCT BASE WITH HINGED COVER

Mfg. Part No.	Nominal W x H (in.)	Actual W x H (in.)	Stock No.	Price per Foot
● HSC1.5X2LG3MNM	1.5 x 2	1.75 x 1.98	42M0702	13.04
● HSC1.5X3LG3MNM	1.5 x 3	1.75 x 3.06	42M0704	15.22
● HSC2X2LG3MNM	2 x 2	2.17 x 1.98	42M0706	13.09
● HSC2X3LG3MNM	2 x 3	2.17 x 3.06	42M0708	15.50
● HSC2X4LG3MNM	2 x 4	2.17 x 4.10	42M0710	17.16
● HSC3X3LG3MNM	3 x 3	3.25 x 3.06	42M0712	18.37
● HSC3X4LG3MNM	3 x 4	3.25 x 4.10	42M0714	20.95
● HSC4X4LG3MNM	4 x 4	4.25 x 4.10	42M0716	70.01

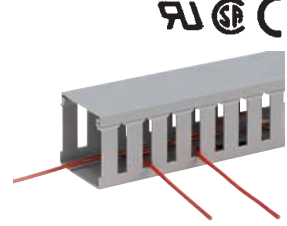
6 FT. LENGTHS — DUCT BASE WITH HINGED COVER

● HSC1.5X2LG6MNM	1.5 x 2	1.75 x 1.98	42M0703	10.57
● HSC1.5X3LG6MNM	1.5 x 3	1.75 x 3.06	42M0705	12.75
● HSC2X2LG6MNM	2 x 2	2.17 x 1.98	42M0707	10.62
● HSC2X3LG6MNM	2 x 3	2.17 x 3.06	42M0709	13.04
● HSC2X4LG6MNM	2 x 4	2.17 x 4.10	42M0711	14.70
● HSC3X3LG6MNM	3 x 3	3.25 x 3.06	42M0713	15.91
● HSC3X4LG6MNM	3 x 4	3.25 x 4.10	42M0715	18.49
● HSC4X4LG6MNM	4 x 4	4.25 x 4.10	42M0717	20.88

(91209)

**PANDUCT® TYPE G —
WIDE SLOTTED WIRING
DUCT**

- Wide-finger design provides greater rigidity and larger slot width
- Panduit® exclusive rounded edges will not cut hands or abrade wiring insulation
- Double scoreline saves installation time and ultimately lowers installed cost
- Nonslip cover, *ordered separately*, will not slide when installed on duct base
- Flush cover design holds more wires than traditional duct designs
- Specially formulated lead-free PVC eliminates health concerns associated with PVC that contains lead
- Restricted slot design reduces installation time, providing low installation cost to the end user



Panduct® Type G wide slotted wiring duct features smooth, rounded edges to protect wires and installer's hands from abrasion. Flammability rating of 94V-0. Color: light gray. **Duct priced per foot. Sold in packages of four 6' lengths.** Additional sizes and a full line of accessories are available; *go online or call*.

For Newark's full line of NEMA enclosures, see the **Enclosures, Boxes and Racks** section.

Mfg. Part No.	Width (in.)	Height (in.)	Stock No.	Price per Foot
				1-24
● G.5X.5LG6N	0.5	0.5	19K4185	4.49
● G.75X.75LG6N	0.75	0.75	19K4186	5.34
● G.75X1LG6N	0.75	1	19K4188	5.69
● G.75X1.5LG6N	0.75	1.5	19K4187	7.08
● G.75X2LG6N	0.75	2	19K4189	8.29
● G1X1LG6N	1.26	0.99	19K4196	5.76
● G1X1.5LG6N	1	1.5	19K4195	7.79
● G1X2LG6N	1	2	19K4197	7.70
● G1X3LG6N	1	3	19K4198	10.01
● G1X4LG6N	1	4	19K4199	12.28
● G1.5X1.5LG6N	1.5	1.5	19K4190	7.86
● G1.5X1LG6N	1.5	1	19K4191	6.52
● G1.5X2LG6N	1.5	2	19K4192	8.55
● G1.5X3LG6N	1.5	3	19K4193	10.93
● G1.5X4LG6N	1.5	4	19K4194	11.40
● G2X1.5LG6N	2	1.5	19K4200	8.31
● G2X2LG6N	2	2	19K4201	8.29
● G2X3LG6N	2	3	19K4202	10.84
● G2X4LG6N	2	4	19K4203	13.05
● G3X1LG6N	3	1	19K4204	8.67
● G3X2LG6N	3	2	19K4205	10.32
● G3X3LG6N	3	3	19K4206	12.56
● G3X4LG6N	3	4	19K4207	15.60
● G4X2LG6N	4	2	19K4208	12.06
● G4X3LG6N	4	3	19K4209	13.95
● G4X4LG6N	4	4	19K4210	16.81
● G4X5LG6N	4	5	19K4211	23.97

(13161)

**NONSLIP COVERS FOR
PANDUCT® TYPES "F"
AND "G" DUCT**

Covers Panduct® wiring duct to protect wires, improve aesthetics and provides greater wire capacity. The nonslip design snaps onto the duct to conceal the wiring. Easy cover removal makes changes to wiring quick and simple. Constructed of lead-free PVC. Colors: light gray and white. Additional colors and sizes available; *go online or call Newark*. **Priced per foot. Sold in packages of four 6' lengths.**

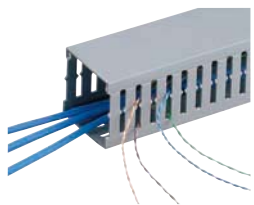
Mfg. Part No.	For Duct Width (in.)	Color	Stock No.	Price per Foot
				1-24
● C.5LG6N	0.5	Light Gray	19K4316	1.35
● C.75LG6N	0.75	Light Gray	19K4317	1.48
● C1LG6N	1	Light Gray	19K4320	1.51
● C1WH6N	1	White	19K4321	1.51
● C1.5LG6N	1.5	Light Gray	19K4318	1.88
● C1.5WH6N	1.5	White	19K4319	1.88
● C2LG6N	2	Light Gray	19K4322	2.28
● C2WH6N	2	White	19K4323	2.28
● C3LG6N	3	Light Gray	19K4324	3.50
● C3WH6N	3	White	19K4325	3.50
● C4LG6N	4	Light gray	19K4326	4.18

(6491)

RACEWAYS

PANDUCT® MFG. PART NO. F NARROW SLOTTED WIRING DUCT

- Narrow-finger design provides proper spacing for use with high-density terminal blocks
- Panduit® exclusive rounded edges will not cut hands or abrade wiring insulation
- Double scoreline saves installation time, and ultimately lowers installed cost
- Nonslip cover, *ordered separately*, will not slide when installed on duct base
- Flush cover design holds more wires than traditional duct designs
- Specially formulated lead-free PVC eliminates health concerns associated with PVC that contains lead
- Restricted slot design reduces installation time, providing low installation cost to the end user



Mfg. part no. F wiring duct features smooth rounded edges to protect wires and installer's hands from abrasion. Narrow-finger design and more slots allow greater wiring flexibility for newer, compact terminal blocks. Ideal for use in control panels and communications closets. Flammability rating of 94V-0. Color: light gray. *Order nonslip covers separately on page 1255.* UL recognized, CSA certified, CE compliant. **Duct priced per foot. Sold in packages of four 6' lengths.** Additional sizes and a full line of accessories are available; *go online or call Newark.*

For Newark's full line of NEMA enclosures, see the **Enclosures, Boxes and Racks** section.

Mfg. Part No.	Width (in.)	Height (in.)	Stock No.	Price per Foot
● F.5X.5LG6N	0.5	0.5	19K4253	4.09
● F.5X1LG6N	0.5	1	19K4254	4.86
● F.75X.75LG6N	0.75	0.75	19K4255	4.86
● F.75X1.5LG6N	0.75	1.5	19K4256	6.37
● F1X1LG6N	1	1	19K4262	5.25
● F1X1.5LG6N	1	1.5	19K4261	7.10
● F1X2LG6N	1	2	19K4263	7.01
● F1X3LG6N	1	3	19K4264	9.12
● F1.5X1LG6N	1.5	1	19K4258	6.00
● F1.5X1.5LG6N	1.5	1.5	19K4257	7.16
● F1.5X2LG6N	1.5	2	19K4259	7.79
● F1.5X3LG6N	1.5	3	19K4260	9.96
● F2X1.5LG6N	2	1.5	19K4265	7.57
● F2X2LG6N	2	2	19K4266	7.55
● F2X3LG6N	2	3	19K4267	9.87
● F2X4LG6N	2	4	19K4268	11.89
● F3X2LG6N	3	2	19K4269	9.40
● F3X3LG6N	3	3	19K4270	11.44
● F3X4LG6N	3	4	19K4271	14.22
● F4X3LG6N	4	3	19K4272	12.71
● F4X4LG6N	4	4	19K4273	15.31

(6492)

WIRING DUCT INSTALLATION TOOLS



DNT-100



DFCT

Mfg. part no. DNT-100 notches types F and G wiring duct down to base and scoreline for "T" and corner junctions. Spring-action handle allows one-hand operation. **Mfg. part no. DCT** is a duct cutting tool for all types of wiring duct and covers. **Mfg. part no. DFCT** is a duct finger cutting tool for removing duct fingers from existing installations. All steel construction.



DCT

Mfg. Part No.	Description	Stock No.	Price Each
DNT-100	Wiring Duct Notching Tool	81F4605	160.65
DCT	Wiring Duct Cutting Tool	92F483	131.71
DFCT	Wiring Duct Finger Cutting Tool	14C8099	108.98

(13260)

NYLON RIVETS AND INSTALLATION TOOL

NR1-C



TNR

Mfg. part no. NR1-C nylon rivets are easily installed in all ducts with **mfg. part no. TNR** installation tool. Installation tool constructed of lightweight aluminum and acetal. **Rivets sold in packages of 100.**

Mfg. Part No.	Description	Stock No.	Price per Pkg.
● NR1-C	Nylon Rivets	81F4601	18.52
TNR	Rivet Installation Tool	81F4606	207.09

(6493)

ACRYLIC ADHESIVE FOAM TAPE

2-sided polyethylene foam tape for mounting duct to control panels without screws. Reduces transmission of vibration, joins uneven surfaces, cushions gaskets, and attaches a variety of materials. Recommended for high temperature (180°F) and UV light applications. UL recognized. 72 yard length.

Mfg. Part No.	Width	Stock No.	Price Each
● P32W2A2-50-72	0.50"	89F1384	83.49
● P32W2A2-75-72	0.75"	89F1385	111.14
● P32W2A2-100-72	1.00"	44F1478	137.30

(6494)

VOLTREX™ BRAND WIRING DUCTS AND COVERS

Slotted-Wall



High-Density Slotted-Wall

SLOTTED-WALL WIRING DUCTS

Slotted-wall design enables numerous wire breakouts. Double-scored breakaway duct fingers make larger breakouts easy. Restricted opening design prevents unintended removal of wires. High-impact PVC material. Color: gray. Flammability rated UL94V-0. UL recognized, CSA certified. Made in the U.S.A. **Order duct covers separately below. Sold in packages of 24' in four 6' lengths.**

Mfg. Part No.	Nominal W x H (in.)	Stock No.	Price per Pkg.
● WDLT-0404-72	1 x 1	51N2344	70.53
● WDLT-0406-72	1 x 1.5	51N2345	94.05
● WDLT-0408-72	1 x 2	51N2346	97.80
● WDLT-0412-72	1 x 3	51N2347	124.99
● WDLT-0604-72	1.5 x 1	51N2349	82.83
● WDLT-0606-72	1.5 x 1.5	51N2350	96.52
● WDLT-0608-72	1.5 x 2	51N2351	103.95
● WDLT-0612-72	1.5 x 3	51N2352	168.30
● WDLT-0804-72	2 x 1	51N2354	91.32
● WDLT-0808-72	2 x 2	51N2355	106.42
● WDLT-0812-72	2 x 3	51N2356	175.72
● WDLT-1204-72	3 x 1	51N2358	96.64
● WDLT-1208-72	3 x 2	51N2359	137.36
● WDLT-1212-72	3 x 3	51N2360	184.38
● WDLT-1216-72	3 x 4	51N2361	232.65
● WDLT-1608-72	4 x 2	51N2362	160.32
● WDLT-1612-72	4 x 3	51N2363	201.53
● WDLT-1616-72	4 x 4	51N2364	253.68

➤ CONTINUED ➤

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Go online or call for non-compliant or RoHS compliant products. See page 3

RACEWAYS

VOLTREX™ BRAND WIRING DUCTS AND COVERS (CONT.)

Mfg. Part No.	Nominal W x H (in.)	Stock No.	Price per Pkg.
			1-9

High-density slotted-wall ducts come with narrow fingers, equaling a 2-to-1 ratio compared to standard slotted wiring ducts. The narrow fingers reduce fanning of the wires to the terminal blocks for a neater appearance and to accommodate more compact designs and components in control panels, communications closets, and other applications. Made with a versatile mounting hole pattern which lines up with DIN 35 rail; the mounting hole rows are also consistent with standard slotted wiring duct, so the two ducts can easily be interchanged. Double-scored breakaway duct fingers make larger breakouts easy. Restricted opening design prevents unintended removal of wires. Color: gray. Flammability rated UL94V-0. UL recognized, CSA certified. Made in the U.S.A. *Order duct covers separately below. Sold in packages of 24' in four 6' lengths.*

Mfg. Part No.	Nominal W x H (in.)	Stock No.	Price per Pkg.
			1-9
● DHD-1X1	1 x 1	97N9468	81.68
● DHD-1X1.5	1 x 1.5	97N9469	111.76
● DHD-1X2	1 x 2	97N9470	112.61
● DHD-1X3	1 x 3	97N9471	136.71
● DHD-1.5X1.5	1.5 x 1.5	97N9474	111.37
● DHD-1.5X2	1.5 x 2	97N9475	120.04
● DHD-1.5X3	1.5 x 3	97N9476	193.04
● DHD-2X2	2 x 2	97N9479	122.51
● DHD-2X3	2 x 3	97N9480	209.39
● DHD-3X3	3 x 3	97N9484	211.61
● DHD-4X2	4 x 2	97N9486	178.18

SOLID-WALL WIRING DUCTS
Solid-wall design ducts for straight wire runs where no breakouts are required. Color: gray. Flammability rated UL94V-0. UL recognized, CSA certified. Made in the U.S.A. *Order duct covers separately below. Sold in packages of 24' in four 6' lengths.*

Mfg. Part No.	Nominal W x H (in.)	Stock No.	Price per Pkg.
			1-9
● WDWT-0303-72	0.75 x 0.75	51N2343	69.30

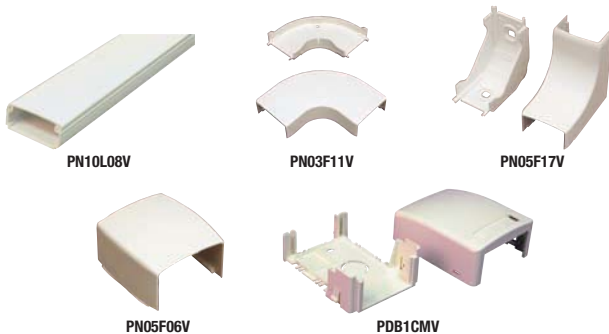
UNIVERSAL WIRING DUCT COVERS

Designed for use with slotted-, high-density slotted-, and solid-wall wiring ducts, *ordered separately above*. Versatile snap-on design with nonslip liner. Made of high-impact PVC material. Color: gray. Flammability rated UL94V-0. UL recognized, CSA certified. Made in the U.S.A. *Sold in packages of 24' in four 6' lengths.*

Mfg. Part No.	For Duct Width (in.)	Stock No.	Price per Pkg.
			1-9
● WDCT-03-72	0.75	51N2366	23.51
● WDCT-04-72	1	51N2367	23.51
● WDCT-06-72	1.5	51N2368	35.89
● WDCT-08-72	2	51N2369	38.36
● WDCT-12-72	3	51N2370	49.50
● WDCT-16-72	4	51N2371	60.64

(6374)

ECLIPSE™ PN03, PN05 AND PN10 SERIES NONMETALLIC RACEWAY SYSTEMS



Eclipse™ PN03, PN05 and PN10 series workstation nonmetallic raceway is a single compartment system for power or communications wiring. Ideal for use in classrooms, offices, and hotel applications, or anywhere a small, low profile raceway is needed. Durable, flexible, co-extruded hinge allows for repeated openings and closings while maintaining product integrity and aesthetics. Adhesive backing allows base to be pressed onto surface for easy and fast installation. Color: ivory. Full complement of fittings, *ordered separately below*, to facilitate virtually any installation. UL listed. **One-piece raceway sold in cartons of 32', priced per foot.*

PN03 SERIES NONMETALLIC RACEWAY SYSTEM

Mfg. Part No.	Description	Dimensions H x W (mm)	Stock No.	Price per Foot
PN03L08V*	Eclipse™ PN03 Series 1-Pc. Nonmetallic Raceway	12.7 x 20.6	07J8010	4.15

PN03 SERIES FITTINGS

Mfg. Part No.	Description	Stock No.	Price Each
PN03F11V	90° Flat Elbow — For Right Angle Turns on Same Surface, 25mm Bend Radius	07J8005	2.14
PN03F15V	Tee — For Branches at Right Angles on the Same Surface, 25mm Bend Radius	07J8006	2.78
PN03F17V	Internal Elbow — For Right Angle Turns Around Internal Corners, 25mm Bend Radius	07J8007	2.14
PN03F18V	External Elbow — For Right Angle Turns Around External Corners	07J8008	1.96

➔ CONTINUED ➔

ECLIPSE™ PN03, PN05 AND PN10 SERIES NONMETALLIC RACEWAY SYSTEMS (CONT.)

PN03 SERIES FITTINGS

Mfg. Part No.	Description	Dimensions H x W (mm)	Stock No.	Price per Foot
PN03F20V	Blank End Fitting — For Closing Open End of Raceway		07J8009	2.14
PN03F06V	Cover Clip — For Covering Joint of Two Pieces of Raceway		07J8004	1.67

PN05 SERIES NONMETALLIC RACEWAY SYSTEM

Mfg. Part No.	Description	Dimensions H x W (mm)	Stock No.	Price per Foot
PN05L08V*	Eclipse™ PN05 Series 1-Pc. Nonmetallic Raceway	15.9 x 29	07J8019	4.55

PN05 SERIES FITTINGS

Mfg. Part No.	Description	Stock No.	Price Each
PN05F11V	90° Flat Elbow — For Right Angle Turns on Same Surface, 25mm Bend Radius	07J8013	2.27
PN05F15V	Tee — For Branches at Right Angles on the Same Surface, 25mm Bend Radius	07J8014	2.94
PN05F17V	Internal Elbow — For Right Angle Turns Around Internal Corners, 25mm Bend Radius	07J8015	2.48
PN05F18V	External Elbow — For Right Angle Turns Around External Corners	07J8016	2.08
PN05F20V	Blank End Fitting — For Closing Open End of Raceway	07J8017	2.27
PN05F86V	Drop Ceiling Connector — For Dropping Cable From Ceiling into Raceway+	07J8018	6.05
PN05F06V	Cover Clip — For Covering Joint of Two Pieces of Raceway	07J8012	1.99

PN10 SERIES NONMETALLIC RACEWAY SYSTEM

Mfg. Part No.	Description	Dimensions H x W (mm)	Stock No.	Price per Foot
PN10L08V*	Eclipse™ PN10 Series 1-Pc. Nonmetallic Raceway	20.6 x 43	07J8029	3.14

PN10 SERIES FITTINGS

Mfg. Part No.	Description	Stock No.	Price Each
PN10F11V	90° Flat Elbow — For Right Angle Turns on Same Surface, 25mm Bend Radius	07J8022	2.48
PN10F15V	Tee — For Branches at Right Angles on the Same Surface, 25mm Bend Radius	07J8023	3.50
PN10F18V	External Elbow — For Right Angle Turns Around External Corners	07J8025	2.27
PN10F20V	Blank End Fitting — For Closing Open End of Raceway	07J8026	2.48
PN10F86V	Drop Ceiling Connector — For Dropping Cable From Ceiling into Raceway+	07J8028	3.71
PN10F21V	Entrance End Fitting — For Feeding Raceway with 1/2" and 3/4" Trade Size Conduit or Armored Cable†	07J8027	5.43
PN10F06V	Cover Clip — For Covering Joint of Two Pieces of Raceway	07J8021	4.41

*Sold in cartons of 32', priced per foot; †Includes reducer adapter for use with PN03 series raceway; ‡Includes reducer adapter for use with PN03 and PN05 series raceways

DEVICE AND DATA BOXES FOR PN03, PN05 AND PN10 SERIES RACEWAY SYSTEMS

Mfg. Part No.	Description	Stock No.	Price Each
PSB1V	1-Gang Power Box — Accepts Standard NEMA Faceplates, Twist-Outs on All Four Sides for Raceway	07J8039	9.37
PSB2V	2-Gang Device Box — Accepts Standard NEMA Faceplates, Twist-Outs on All Four Sides for Raceway	07J8040	14.01
PDB1CMV	Small Data Box — Surface Mount, Accepts One Front Loaded Downward Facing Device	07J8001	4.47
PDB2CMV	Large Data Box — Surface Mount, Accepts Two Front Loaded Downward Facing Devices	07J8002	6.89

(79411)

40N2 SERIES CABLESMART™ DUAL-CHANNEL NONMETALLIC RACEWAY



- Extremely tamper-resistant
- Pre-punched mounting holes for easier installation
- UL listed

Two-piece, dual-channel nonmetallic raceway offers separate channels for power and communications cabling under one cover. Made of PVC material that is lightweight and easy to cut. White finish blends with almost any decor or can be painted with latex paint to blend into the wall surface. Full complement of fittings, *ordered separately below*, to facilitate virtually any installation, including mfg. part no. 40N2F55 high-capacity device box that allows power and data devices to be installed in the power channel. **Raceway (base and cover) sold in cartons of 32', priced per foot.*

Mfg. Part No.	Description	Dimensions H x W (mm) x L (M)	Stock No.	Price per Foot
40N2B08WH*	Dual-Compartment Raceway Base	51 x 102 x 2.45	07J8050	4.55
40N2C08WH*	Full Width Raceway Cover	12.7 x 56 x 2.45	07J8051	3.04

➔ CONTINUED ➔

RACEWAYS • WIRE & CABLE ACCESSORIES

40N2 SERIES CABLESMART™ DUAL-CHANNEL NONMETALLIC RACEWAY (CONT.)

FITTINGS

Mfg. Part No.	Description	Dimensions H x W (mm) x L (M)	Stock No.	Price per Foot
40N2F05WH	Base Seam Clip — Covers Seams Between Base Sections		07J8053	11.11
40N2F06WH	Cover Clip — Covers Seams Between Cover Sections		07J8054	11.11
40N2F11WH	Full-Capacity Flat Elbow — for 2" (51mm) Cable Bend Radius		07J8055	23.69
40N2F15WH	Full-Capacity Tee — for 2" (51mm) Cable Bend Radius		07J8056	30.93
40N2F17WH	Full-Capacity Internal Elbow — for 2" (51mm) Cable Bend Radius		07J8057	14.73
40N2F19WH	Full-Capacity External Elbow — for 2" (51mm) Cable Bend Radius		07J8058	17.69
40N2F20WH	Blank End Cap — Closes Off Raceway End Runs		07J8059	11.56
40N2F21WH	Divided Entrance End Cap — For Feeding Raceway, Five Knock-Outs		07J8060	16.61
40N2F31WH	Twin Cover Device Bracket		07J8061	7.42
40N2FWC	Wire Clip — Retains Cable in Raceway		07J8052	1.20
40N2F55	High-Capacity Device Box — Mounts Power or Datacom Devices in Divided Raceway		07J8062	4.83

(79426)

300 SERIES™ PVC DUCT AND FITTINGS



- One-piece latching design
- Rugged PVC construction
- Adhesive backing for easy and fast installation
- Smooth texture ivory finish



300



317

300 Series™ nonmetallic PVC duct conceals electrical cords and low voltage wiring. Full complement of fittings to facilitate virtually any installation; *order separately below*. Ivory finish blends with almost any decor or can be painted with latex paint to blend into the wall surface. *Duct sold in cartons of 100', priced per foot.

Mfg. Part No.	Description	Dimensions H x W (mm)	Stock No.	Price per Foot
300*	Latching Duct	8.9 x 12.7	07J8045	1.56

FITTINGS

Mfg. Part No.	Description	Stock No.	Price Each
306	Coupling — For Joining Duct Strips	07J8046	0.84
311	Flat Elbow — For Right-Angle Turns on Same Surface	07J8047	1.37
317	Internal Elbow — For Right-Angle Turns Around Internal Corners	07J8048	1.37
318	External Elbow — For Right-Angle Turns Around External Corners	07J8049	1.53

(79389)

HARNESS BOARD ACCESSORIES



- For Fast Routing and Forming of Wires in Harness Fabrication
- Holds Wires Off the Harness Board at a Uniform Height
- Easy Application of Cable Ties



RER



ER

MFG PART NO. RER — REPLACEABLE ELASTIC RETAINERS

As wires are individually inserted, the bundle is formed. When harness is complete, it can be snapped out. Three sizes available for 1/2", 3/4", and 1 1/4" bundles. Mounts with #6 screws. Constructed from Nylon 6.6. Colors: black and white. Sold in packages of 10.

Mfg. Part No.	Max. Bundle Dia.	Stock No.	Price per Pkg.
RER.5-S6-X	1/2" (12.7mm)	94F3146	80.66
RER.75-S6-X	3/4" (19.0mm)	70B5888	84.15
RER1.25-S6-X	1 1/4" (31.8mm)	94F3147	95.92

MFG PART NO. ER — ELASTIC RETAINERS

Forms wire bundles as wires are inserted, completed bundles then snap out. Two sizes available for 1/2" and 1 1/4" bundles. Mounts with #4 screws. Constructed from Nylon 6.6 and ABS. Color: black. Sold in packages of 10.

Mfg. Part No.	Max. Bundle Dia.	Stock No.	Price per Pkg.
ER.5-E4-X	1/2" (12.7mm)	01C0809	176.58
ER1.25-E4-X	1 1/4" (31.8mm)	88F3055	19.00

(60870)

CABLE MOUNTS AND WIRING ACCESSORIES FOR USE WITHOUT CABLE TIES



Fig. 1



Fig. 2

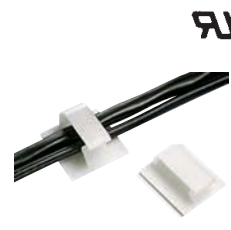


Fig. 3



Fig. 4

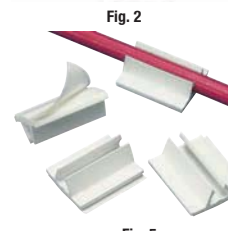


Fig. 5

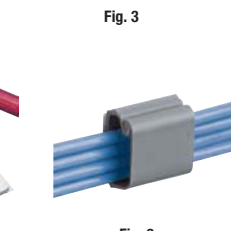


Fig. 6

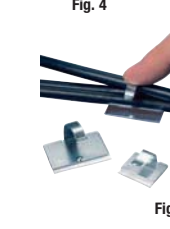


Fig. 7

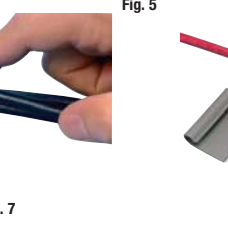


Fig. 8

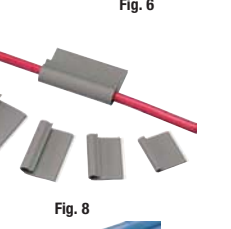


Fig. 9



Fig. 10

- Mfg. part no. ARC.68 (Fig. 1) Adjustable Releasable Clamp Provides a Fast, Convenient Method of Securing Bundles
- Mfg. part no. ACC (Fig. 2) Cord Clip Easily Snaps Bundles Into or Out of the Clips; Available in 3 Sizes to Hold Cords, Tubing, Cable or Wire Bundles
- Mfg. part nos. BEC and BECP (Fig. 3) Offer Beveled Entry for Easy Snapping; Available in Adhesive-Backed and Pushback Styles
- Mfg. part no. AMC (Fig. 4) Holds a Single Cable; Can Be Mounted on Any Flat, Smooth Surface
- Mfg. part no. LC (Fig. 5) Latching Clip Retains and Supports Wire; Offers a Quickly-Installed Mount with a Locked Cover for Withstanding Vibration
- Mfg. part no. MACC (Fig. 6) Metal Adhesive Cord Clip can be Opened and Closed without Damage to the Clip
- Mfg. part no. AJC (Fig. 7) Low-Profile "J" Clips Retain Cords, Wires or Tubing; Flexible Design for Easy Insertion but Secure Performance
- Mfg. part no. PMCC (Fig. 8) Push-Mount Cord Clip Snaps Easily into Pre-Drilled Hole in Panels up to .105" Thick; Integral Mounting Device and Winged Design Holds Mount in Place
- Mfg. part no. CCS (Fig. 9) Fixed Diameter Cable Clamps are Constructed of Durable Nylon
- Mfg. part no. CCH (Fig. 10) Clamps are Heavy-Duty Nylon

UL recognized. Sold in package quantities indicated in table below.

Mfg. Part No.	Fig.	Max. Bundle Diameter	W x L	Mounting	Pkg. of	Stock No.	Price per Pkg.
● ARC.68-A-Q14	1	0.68"	1.00 x 1.00"	Adhesive-Backed	25	89F2515	49.16
● ARC.68-A-C14	1	0.68"	1.00 x 1.00"	Adhesive-Backed	100	76F869	81.94
● ACC19-A-C	2	0.19"	0.75 x 0.62"	Adhesive-Backed	100	94F1495	57.31
● ACC19-A-M	2	0.19"	0.75 x 0.62"	Adhesive-Backed	1000	89F1911	334.72
● ACC38-A-C	2	0.38"	1.00 x 1.00"	Adhesive-Backed	100	76F868	67.23
● ACC38-A-M	2	0.38"	1.00 x 1.00"	Adhesive-Backed	1000	89F1912	367.02
● ACC62-A-C	2	0.62"	1.12 x 1.24"	Adhesive-Backed	100	94F5618	91.63
● ACC62-A-D	2	0.62"	1.12 x 1.24"	Adhesive-Backed	500	84F1968	262.35
● BEC38-A-L	3	0.38"	1.24 x 1.46"	Adhesive-Backed	50	84F1961	66.31
● BEC62-A-L	3	0.62"	1.24 x 1.46"	Adhesive-Backed	50	96F9950	89.31
● BEC75-A-L	3	0.75"	1.49 x 1.46"	Adhesive-Backed	50	84F1962	97.81
● BEC38-A-T	3	0.38"	1.24 x 1.46"	Adhesive-Backed	200	84F1969	124.07
● BEC62-A-T	3	0.62"	1.24 x 1.46"	Adhesive-Backed	200	96F9951	179.38
● BEC75-A-T	3	0.75"	1.49 x 1.46"	Adhesive-Backed	200	84F1970	207.71
● BECP75H25-L	4*	0.75"	0.73 x 1.46"	Push (1/4" Hole)	50	84F1964	75.31
● AMC25-AT-C10	5	0.28"	1.00 x 0.79"	Adhesive-Backed	100	84F1434	29.60
● LC3-A-C8	6	0.20"	0.75 x 0.75"	Adhesive-Backed	100	84F1435	38.21
● LC5-A-C8	6	0.36"	1.00 x 1.00"	Adhesive-Backed	100	94F3099	49.13
● LC10-A-L8	6	0.93"	1.51 x 1.00"	Adhesive-Backed	50	94F3098	41.43

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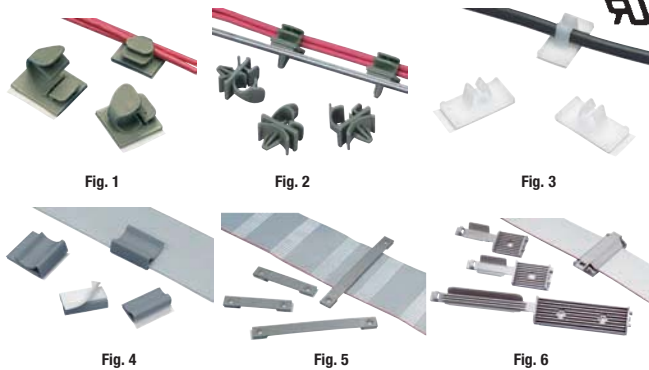
WIRE & CABLE ACCESSORIES

CABLE MOUNTS AND WIRING ACCESSORIES FOR USE WITHOUT CABLE TIES (CONT.)

Mfg. Part No.	Fig.	Max. Bundle Diameter	W x L	Mounting	Pkg. of	Stock No.	Price per Pkg.
● MACC25-A-C	7	0.25"	0.54 x 0.77"	Adhesive-Backed	100	84F1436	58.68
● MACC62-A-C	7	0.62"	0.78 x 1.18"	Adhesive-Backed	100	84F1437	94.83
● AJC12-A-C	8	0.12"	1.00 x 0.86"	Adhesive-Backed	100	89F2516	28.02
● AJC19-A-C	8	0.19"	1.25 x 0.87"	Adhesive-Backed	100	84F1438	29.81
● AJC25-A-C	8	0.25"	1.50 x 0.97"	Adhesive-Backed	100	94F1496	33.58
● AJC31-A-C	8	0.31"	1.75 x 1.22"	Adhesive-Backed	100	94F5587	45.93
● AJC38-A-C	8	0.38"	2.00 x 1.27"	Adhesive-Backed	100	94F2751	55.46
● PMCC38H25-C	9	0.38"	0.50" Wide	Push (1/4" Hole)	100	84F1408	53.36
● CCS12-S8-C	10	0.12"	0.37" Wide	#8 Screw	100	89F4459	11.38
● CCS19-S8-C	10	0.19"	0.37" Wide	#8 Screw	100	84F1414	11.44
● CCH25-S10-C	10	0.25"	0.50" Wide	#10 Screw	100	89F4460	15.65
● CCH38-S10-C	10	0.38"	0.50" Wide	#10 Screw	100	84F1415	17.64
● CCH50-S10-C	10	0.50"	0.50" Wide	#10 Screw	100	89F4461	18.04
● CCH75-S10-C	10	0.75"	0.50" Wide	#10 Screw	100	84F1416	24.69
● CCS19-S8-M	10	0.19"	0.37" Wide	#8 Screw	1000	84F1430	58.50
● CCH25-S10-M	10	0.25"	0.50" Wide	#10 Screw	1000	89F1906	79.39

*For panel thickness 0.075" max.
(6423)

CABLE MOUNTS AND WIRING ACCESSORIES FOR USE WITHOUT CABLE TIES



Mfg. part no. LWC-A (Fig. 1) adhesive-backed mounts feature releasable latch, large mounting base for high bonding strength. Mfg. part no. LWC-H25 (Fig. 2) push-in mounts snap into 0.250" hole. Mfg. part no. VCC (Fig. 3) top-loading, vertical cord clip features funnel-entry design. Mfg. part nos. FCC (Fig. 4) and FCM (Fig. 6) clips accommodate any width flat cable for a maximum stack height of 0.17". Mfg. part no. LPFCM (Fig. 5) low-profile mount offers cable containment and identification for stack heights up to 0.105". Sold in package quantities indicated below.

Mfg. Part No.	Fig.	Bundle Dia.	W x L	Mounting	Pkg. of	Stock No.	Price per Pkg.
● LWC19-A-C	1	0.19"	0.61 x 0.85"	Adhesive-Backed	100	91F7316	53.20
● LWC25-A-C	1	0.25"	0.88 x 1.00"	Adhesive-Backed	100	95F5101	60.41
● LWC38A-C	1	0.37"	1.00 x 1.00"	Adhesive-Backed	100	95F5103	66.09
● LWC50-A-L	1	0.50"	1.00 x 1.26"	Adhesive-Backed	50	95F5105	51.15
● LWC50-A-T	1	0.50"	1.00 x 1.26"	Adhesive-Backed	200	95F5106	131.59
● LWC75-A-L	1	0.75"	1.24 x 1.48"	Adhesive-Backed	50	91F7317	130.55
● LWC100-A-L	1	1.00"	1.97 x 2.21"	Adhesive-Backed	50	91F7318	135.57
● LWC19-H25-C	2	0.19"	0.50 x 0.85"	Push (1/4" Hole)	100	91F7319	45.34
● LWC25-H25-C	2	0.25"	0.58 x 0.86"	Push (1/4" Hole)	100	91F7320	50.00
● LWC38-H25-C	2	0.38"	0.58 x 0.94"	Push (1/4" Hole)	100	91F7321	55.33
● LWC50-H25-L	2	0.50"	0.76 x 1.25"	Push (1/4" Hole)	50	91F7322	27.43
● VCC25-A-C	3	0.25"	0.50 x 1.00"	Adhesive-Backed	100	95F5111	50.63

FLAT CABLE MOUNTS

● FCC5-A-C8	4	Any Width	0.56 x 1.00"	Adhesive-Backed	100	89F2517	38.06
● FCC5-A-D8	4	Any Width	0.56 x 1.00"	Adhesive-Backed	500	89F1913	124.00
● FCC-A-C8	4	Any Width	1.00 x 1.09"	Adhesive-Backed	100	81F4613	46.06
● FCC-A-D8	4	Any Width	1.00 x 1.09"	Adhesive-Backed	500	89F1914	150.06
● LPFCM14-A-C14	5	1.44" Wide	0.50 x 2.56"	Adhesive-Backed	100	84F1427	91.06
● LPFCM22-A-C14	5	2.19" Wide	0.50 x 3.31"	Adhesive-Backed	100	84F1428	93.68
● LPFCM34-A-C14	5	3.44" Wide	0.50 x 4.56"	Adhesive-Backed	100	84F1429	97.07
● FCM1-A-C14	6	1.00" Wide	1.05 x 1.21"	Adhesive-Backed	100	81F4611	129.66
● FCM1-A-T14	6	1.00" Wide	1.05 x 1.21"	Adhesive-Backed	200	89F1915	154.94
● FCM1.2-A-C14	6	1.20" Wide	1.00 x 1.37"	Adhesive-Backed	100	84F1417	135.94
● FCM2-A-C14	6	2.05" Wide	1.00 x 2.22"	Adhesive-Backed	100	78F628	144.26
● FCM2-A-T14	6	2.05" Wide	1.00 x 2.22"	Adhesive-Backed	200	89F1916	207.59

➔ CONTINUED ➔

CABLE MOUNTS AND WIRING ACCESSORIES FOR USE WITHOUT CABLE TIES (CONT.)

FLAT CABLE MOUNTS

Mfg. Part No.	Fig.	Bundle Dia.	W x L	Mounting	Pkg. of	Stock No.	Price per Pkg.
● FCM3.25-A-L14	6	3.38" Wide	1.00 x 3.38"	Adhesive-Backed	50	89F4458	97.18
● FCM3.25-A-T14	6	3.38" Wide	1.00 x 3.38"	Adhesive-Backed	200	89F1904	272.42

(13738)

SELF-ADHESIVE ALUMINUM CABLE CLIPS



- Self-adhesive cable clips, manufactured in malleable aluminum
- To fix, remove adhesive backing and position; insert cable harness and bend over tabs
- Available in 2 sizes
- Operating temperature -40°C to +70°C

These patent adhesive aluminum cable clips are quick and easy to apply an inexpensive method of fixing round, or flat ribbon cable without damage, to clean dry surfaces. Sold in packages of 250.

Mfg. Part No.	Bundle Diameter (in.)	Base Size (in.)	Stock No.	Price per Pkg.		
● ACC01	0.079-0.248	0.433-0.630	06WX4173	1-24	25-49	50-99
● ACC02	0.157-0.394	0.630-0.748	06WX4174	18.98	17.32	15.90
				23.25	21.34	19.64

(102908)

CORD GRIP BUSHES



- Molded in Black Nylon 66
- Reversible clamping bar for wide cable diameter range
- Compatible with IP66 Nylon glands
- Optional locknuts available separately
- Flame retardant to UL94V-2

Optional locknuts available separately below.

CORD GRIP BUSHES

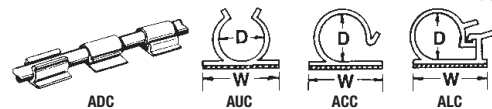
Mfg. Part No.	Cable Dia. (in.)	Mounting Thread Length (in.)	Overall Length (in.)	A/F Size	Stock No.	Price Each
● 743B	0.138-0.433	0.35	0.925	0.75	72C3488	0.74
● 744B	0.157-0.571	0.47	1.161	0.91	72C3490	0.83
● 745B	0.314-0.709	0.47	1.161	1.06	72C3491	1.48

LOCKNUTS

● 92-B	0.138-0.433	0.35	0.925	0.75	72C3573	0.18
● 93-B	0.157-0.571	0.47	1.161	0.91	72C3591	0.18
● 94-B	0.314-0.709	0.47	1.161	1.06	72C3592	0.41

(102910)

VOLTREX™ ADHESIVE-BACKED CABLE CLIPS AND CLAMPS



For securing cable, cords, tubing, hose, etc. AUC, ACC, ALC, and ADC series clips and clamps are constructed of durable, gray PVC. 8408 series is made from natural-colored nylon. All versions feature an aggressive adhesive backing that easily mounts to any clean, regular surface. Sold in packages of 100.

Mfg. Part No.	Cable Dia. D	Clamp Width W	Clamp Length	Style	Stock No.	Price per Pkg.
● AUC-1	0.125"	0.750"	0.750"	U-Clamp	16N1049	41.25
● AUC-2	0.250"	0.750"	0.750"	U-Clamp	16N1050	47.04
● AUC-3	0.375"	0.750"	0.750"	U-Clamp	16N1051	52.49
● AUC-4	0.500"	1.000"	1.000"	U-Clamp	16N1052	56.78
● ACC-1	0.125"	0.750"	0.750"	C-Clamp	16N1054	41.45
● ACC-2	0.250"	0.750"	0.750"	C-Clamp	16N1055	46.85
● ACC-3	0.375"	0.750"	0.750"	C-Clamp	16N1056	52.39
● ACC-4	0.500"	1.000"	1.000"	C-Clamp	16N1057	61.79
● ALC-2	0.250"	0.750"	0.750"	Locking	32N689	54.81
● ALC-4	0.500"	1.000"	1.000"	Locking	32N684	67.23
● ALC-6	0.750"	1.000"	1.000"	Locking	32N682	96.74
● ADC-2	0.500"	0.750"	0.750"	Locking	81N2603	28.70
● 8408-0402	0.31-0.41"	0.400"	1.000"	Adjustable	16N965	55.52
● 8408-0403	0.47-0.56"	0.400"	1.250"	Adjustable	16N966	69.41
● 8408-0404	0.58-0.75"	0.500"	1.500"	Adjustable	16N967	95.67
● 8408-0405	0.885-1"	0.500"	2.000"	Adjustable	16N968	108.30

(6440)

WIRE & CABLE ACCESSORIES • WIRE & CABLE TIES

FLAT CABLE MOUNTS AND CLIPS

VOLTREX[®] brand

Fig. 1

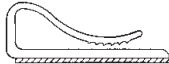


Fig. 2

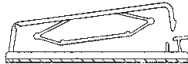


Fig. 3

For securing single or multiple layers of flat wire and cable. **Mfg. part nos. CFCC, FCC, and 8408** use aggressive foam tape adhesive for securement. **Mfg. part no. LFCC** simply holds multiple flat cables together. **Mfg. part no. CFCC** is made from Nylon, color: white; **mfg. part no. FCC** from PVC, color: black; and **mfg. part nos. 8408 and LFCC** from nylon, color: natural. **Sold in packages of 100.**

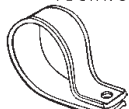
Mfg. Part No.	Fig.	Clamp Width	Max. Cable Width	Style	Stock No.	Price per Pkg. Each
● LFCC-5	1	3"	2.5"	Loop Clip	81N2610	25.50
● CFCC-2	2	1.06"	0.88"	Adhesive C Clip	23N3682	39.87
● CFCC-1	2	0.56"	0.40"	Adhesive C Clip	23N3681	31.96
● 8408-0412	3	1.75"	1.20"	Adhesive Clip	16N975	110.29
● 8408-0413	3	3"	2.5"	Adhesive Clip	16N976	137.86

(6432)

PLASTIC CABLE CLAMPS

VOLTREX[®] brand

ECC series plastic propionate clamps anchor tubing, cable, and wire bundles securely with a single nail or screw. Lightweight and chemical resistant with excellent shock-resisting properties. Temperature range: -40°F to +185°F. Mount with #10 screw. Color: amber. **Sold in packages of 100.**



Mfg. Part No.	Holding Dia. (In.)	Width (In.)	Pkg. of	Stock No.	Price per Pkg. 1-4
● ECC-2	0.13	0.500	100	32N1269	11.15
● ECC-3	0.19	0.500	100	32N1270	11.52
● ECC-4	0.25	0.500	100	32N1271	11.83
● ECC-5	0.31	0.500	100	32N1272	12.51
● ECC-6	0.375	0.500	100	32N1273	14.12
● ECC-8	0.50	0.500	100	32N1275	17.65
● ECC-10	0.63	0.500	100	32N1277	19.19
● ECC-16	1.00	0.500	100	32N1281	29.10

NCC series same as **ECC series** but nylon with temperature range -40°F to +185°F. Mount with #8 screw. Color: natural. **Sold in packages of 100.**

● NCC-2	0.13	0.38	100	32N1284	6.26
● NCC-3	0.19	0.38	100	32N1285	7.18
● NCC-4	0.25	0.38	100	32N1286	7.49
● NCC-5	0.31	0.38	100	32N1287	7.56
● NCC-6	0.38	0.38	100	32N1288	8.24
● NCC-8	0.50	0.38	100	32N1290	8.61
● NCC-10	0.56	0.50	100	32N1292	17.65
● NCC-12	0.75	0.50	100	32N1294	20.93
● NCC-16	1.00	0.50	100	32N1296	25.51

NCCB series are nylon with temperature range of -40°F to +185°F. Mount with #10 screw. Multiple mounting hole design. Color: natural. **Sold in packages of 100.**

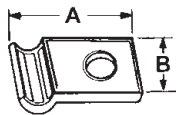
● NCCB-3	0.187	0.500	100	95N5159	12.14
● NCCB-4	0.250	0.500	100	95N5160	13.19
● NCCB-6	0.375	0.500	100	95N5161	15.66

(6430)

METAL CABLE CLAMPS

AMERLOK[™] brand

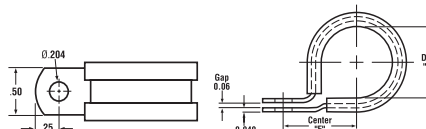
Cable clamp **mfg. part no. 116-MT** is brass with matte tin plating, **mfg. part no. 78-169MT** is steel with matte tin plating, and **mfg. part no. 139** is steel with zinc plating. **Sold in packages of 100.**



Mfg. Part No.	Radius of Arc	Screw Size	Dimensions A B	Stock No.	Price per Pkg. 1-9 10-24 25-49 50+
● 116-MT	0.047"	#6	0.438" 0.250"	50N435	42.60 37.30 34.91 32.11
● 78-169-MT	0.125"	#8	0.688" 0.375"	50N456	19.85 17.38 16.27 14.96
● 139	0.078"	#8	0.625" 0.375"	29F629	22.64 19.82 18.55 17.06

(9244)

CUSHIONED CABLE CLAMPS

VOLTREX[®] brand

Cushioned clamps are used in many industries to route and protect tubes, pipes, wire bundles and cables. Neoprene is a general usage cushion with excellent weather and ozone resistance and medium oil resistance. Temperature range: -40°F to +250°F. Silicone rubber can be used in applications requiring moderate temperature silicone elastomer. It has superior ozone and weather resistance and an operating temperature of -65°F to +450°F. **Sold in packages of 100.**

NEOPRENE-CUSHIONED, GALVANIZED STEEL CABLE CLAMPS (BLACK)

Mfg. Part No.	Diameter "D"	Center "E"	Stock No.	Price per Pkg. 1-4
● SPC11152	0.31"	0.571"	34C1955	97.20
● SPC11153	0.38"	0.603"	34C1956	75.60
● SPC11154	0.44"	0.634"	34C1957	77.40
● SPC11155	0.50"	0.665"	34C1958	79.20
● SPC11156	0.63"	0.770"	34C1959	90.00
● SPC11157	0.75"	0.832"	34C1960	90.00
● SPC11158	1.00"	0.957"	34C1961	97.20

SILICONE RUBBER CUSHIONED, STAINLESS STEEL CABLE CLAMPS (RED)

Mfg. Part No.	Dia. D	Center E	Stock No.	Price per Pkg. 1-4
● SPC11144	0.25"	0.540"	34C1947	100.80
● SPC11145	0.31"	0.571"	34C1948	104.40
● SPC11146	0.38"	0.603"	34C1949	90.00
● SPC11147	0.44"	0.634"	34C1950	93.60
● SPC11148	0.50"	0.665"	34C1951	97.20
● SPC11149	0.63"	0.770"	34C1952	104.40
● SPC11150	0.75"	0.832"	34C1953	122.40
● SPC11151	1.00"	0.957"	34C1954	136.80

(6435)

RIBBON CABLE CLAMPS



pro-POWER

- Gray PVC
- Self-adhesive
- Sold in packages of 100



Mfg. Part No.	Dimensions (in.) H W D	Stock No.	Price per Pkg. 1-49
● FC-15	0.39 0.59 0.98	24M2009	8.55
● FC-20	0.39 0.79 0.98	24M2010	10.14
● FC-25	0.39 0.98 0.98	24M2011	11.72

(116544)

CABLE TIES



3M



Cable ties are molded from 6/6 nylon and designed to meet a wide range of temperatures from -40°F to 185°F. Reliable self-locking head with heavy double teeth on the one-piece lock mechanism. They are available in a variety of sizes and styles, including weather-resistant black nylon for indoor and outdoor use and natural nylon for indoor use only. Cable ties are used to secure wire bundles, harnesses and components quickly, without slipping. UL recognized.

MINIATURE CABLE TIES

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Color	Pkg. of	Stock No.	Price per Pkg.
● 41930	4	0.1	0.7	18	Black	1000	02M0932	17.81
● 41932	4	0.1	0.7	18	Natural	1000	02M0933	16.33

➤ CONTINUED ➤

WIRE & CABLE TIES

CABLE TIES (CONT.)

6" INTERMEDIATE CABLE TIES

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Color	Pkg. of	Stock No.	Price per Pkg.
● 41934	6	0.14	1.4	40	Black	1000	02M0934	36.73
● 41936	6	0.14	1.4	40	Natural	1000	02M0935	31.91

8" STANDARD CABLE TIES

● 41938	8	0.18	1.9	50	Natural	1000	02M0936	39.33
● 41940	8	0.18	1.9	50	Black	1000	02M0937	44.52

(89316)

TAK-TY® HOOK AND LOOP CABLE TIES



8" and 12" Lengths

6", 12", 18" Lengths and Continuous Rolls

- Durable polyethylene hook and nylon loop material
- Adjustable, releasable and reusable multiple times
- No risk of over-tensioning or damaging high-performance copper and fiber optic cable
- Available in many styles, sizes and colors to suit a variety of applications

HLTP and HISP style cable ties are UL listed for plenum use in air handling spaces per NEC Section 300-22(c) and (d) and have a flammability rating of UL94V-2. Color: black. Other colors are available; go online or call. Sold in packages of 10 ties in convenient perforated rolls of 6", 8", 12" and 18" length strips, except for mfg. part nos. with R0 suffix which are sold in cut-to-length continuous rolls of 15' or 75'.

HLT and HLTP STYLES — LOOP TIES WITH SLOT FOR PREWRAPPING BUNDLES

Mfg. Part No.	Tie Length (in.)	Tie Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)*	Pkg. Qty.	Stock No.	Price per Pkg.
● HLT2I-X0	8	0.5	1.91	40	10	66F3595	16.06
● HLT3I-X0	12	0.5	3.18	40	10	66F3596	20.86
● HLTP2I-X0	8	0.5	1.91	18	10	17C1625	19.57
● HLTP3I-X0	12	0.5	3.18	18	10	17C1641	25.40

HLS and HISP STYLES — STRIP TIES

● HLS1.5S-X0	6	0.75	1.5	50	10	66F3597	13.93
● HLS3S-X0	12	0.75	3.2	50	10	66F3598	23.23
● HLS5S-X0	18	0.75	5	50	10	66F3599	33.84
● HISP1.5S-X0	18	0.75	1.5	18	10	16C7690	16.90

HLM and HLS STYLES — CONTINUOUS ROLL

Mfg. Part No.	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)*	Roll Length (ft.)	Stock No.	Price per Roll
● HLM-15R0	0.33	Various	18	15	12K5422	20.28
● HLS-15R0	0.75	Various	50	15	66F3600	28.41
● HLS-75R0	0.75	Various	50	75	93B6340	116.08

*Minimum 2" overlap required to achieve loop tensile rating
(12538)

TAK-TAPE™ HOOK AND LOOP CABLE TIE ROLLS



Just Added

- Hook and loop fastener for general-purpose bundling
- Thin and flexible to quickly wrap around bundle
- Adjustable, releasable and reusable
- Cut-to-length continuous rolls



Unique material has polypropylene hooks on one side and nylon loops on the other so it adheres to itself. Color: black. Mfg. part nos. TTS-20R0 sold in single 20' rolls, TTS-35R3-0 sold in packages of three 35' rolls, and TTS-35RX0 sold in packages of ten 35' rolls.

Mfg. Part No.	Roll Length (ft.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price Each
● TTS-20R0	20	0.75	Various	40	1 Roll	63H2473	16.03
● TTS-35R3-0	35	0.75	Various	40	3 Rolls	10R0194	101.97
● TTS-35RX0	35	0.75	Various	40	10 Rolls	12K5496	308.98

(83877)

ULTRA-CINCH™ HOOK AND LOOP TIES



- Unique material with hooks and loops on same side
- User can secure a greater range of bundle diameters, including smaller bundles
- Adjustable, releasable and reusable multiple times
- Low-profile contoured cinch-ring
- Soft material used on high performance cabling to protect against over-tensioning
- Tapered tip threads easily for fast installation



UCT, UGCTE and UGCTC (Top to Bottom)



Grommet on mfg. part no. UGCTC (center mount) and UGCTE (end mount) provides reliable installations, resists pull-out, and allows cable bundles to be securely fastened to surfaces. Color: black. Available in 7 other colors; go online or call. Sold in packages of 10.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Stock No.	Price per Pkg.
● UCT3S-X0	12	0.85	3	50	95H4675	19.99
● UCT5S-X0	18	0.85	5	50	95H4676	24.49
● UGCTE3S-X0	12	0.85	3	50	95H4683	31.56
● UGCTE5S-X0	18.7	0.85	5	50	95H4684	37.36
● UGCTC3S-X0	12	0.85	3	50	95H4681	31.56
● UGCTC5S-X0	18	0.85	5	50	95H4682	37.36

(79557)

DURA-TY™ CABLE TIES



- Separate head and body design with double stainless steel locking barb
- Constructed of weather-resistant acetal
- Meets Telcordia TR-TSY-000789
- Excellent UV, chemical and moisture resistance — 20 year service life
- High-tensile strength (250 lbs.) and high-impact resistance



Ideal for all outdoor messenger strand applications including telephone, cable TV, traffic signals and outside plant power services. Color: black

DURA-TY CABLE TIES (HEAD WITH STRAP)

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● DT4EH-L0	13.5	0.5	3.88	250	50	28C7873	99.36
● DT8EH-Q0	27.0	0.5	8.00	250	25	04H7333	93.70

DURA-TY KIT, STRAPPING AND HEADS

Kit includes one 50 ft reel of Dura-Ty strapping and 25 Dura-Ty cable tie heads.

Mfg. Part No.	Description	Stock No.	Price Each
● DTKEH-0	Dura-Ty Cable Tie Kit	04H7331	93.87
● DTREH-LR0	Dura-Ty Cable Tie Strapping, 50 ft. Reel	04H7332	56.57
● DTREH-Q0*	Dura-Ty Cable Tie Heads, Pkg. of 25	04H7330	16.77

*Sold in package of 25.
(73812)

PAN-TY® CABLE TIES



- Large selection of sizes
- One-piece construction
- Locking design provides consistent performance and reliability
- Low threading force
- Curved tip design allows for easy pick up, faster initial threading and installation



Constructed of durable Nylon 6.6. Color: natural. Also available in additional sizes, styles, colors and materials; go online or call. UL listed (except where noted), UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● PLT.7M-C	3.1	0.09	0.68	18	100	89F229	14.21
● PLT.7M-M	3.1	0.09	0.68	18	1000	89F230	31.87
● PLT1M-C	3.9	0.098	0.87	18	100	78F506	15.99
● PLT1M-M	3.9	0.098	0.87	18	1000	78F536	36.51
● PLT1.5M-C	5.6	0.098	1.25	18	100	78F580	20.82
● PLT1.5M-M	5.6	0.098	1.25	18	1000	78F586	55.08
● PLT2M-C	8.0	0.098	2	18	100	78F581	22.26
● PLT2M-M	8.0	0.098	2	18	1000	78F587	55.92
● PLT1.5I-C	5.6	0.142	1.38	40	100	78F507	18.52
● PLT1.5I-M	5.6	0.142	1.38	40	1000	78F537	56.13
● PLT2I-C	8.0	0.142	2	40	100	78F582	28.16

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WIRE & CABLE TIES

PAN-TY® CABLE TIES (CONT.)

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● PLT2I-M	8.0	0.142	2	40	1000	78F588	73.01
● PLT2.5I-M	9.7	0.145	2.5	40	1000	48F6955	143.06
● PLT3I-C	11.4	0.145	3	40	100	78F584	34.39
● PLT3I-M	11.4	0.145	3	40	1000	78F590	154.03
● PLT4I-C	14.5	0.145	4	40	100	78F585	48.02
● PLT4I-M	14.5	0.145	4	40	1000	78F611	239.49
● PLT1.5S-C	6.2	0.19	1.5	50	100	78F583	23.05
● PLT1.5S-M	6.2	0.19	1.5	50	1000	78F589	78.29
● PLT2S-C	7.4	0.19	1.88	50	100	78F508	23.60
● PLT2S-M	7.4	0.19	1.88	50	1000	78F538	76.81
● PLT3S-C	11.5	0.19	3	50	100	78F509	47.20
● PLT3S-M	11.5	0.19	3	50	1000	78F539	200.03
● PLT4S-C	14.5	0.19	4	50	100	78F510	53.72
● PLT4S-M	14.5	0.19	4	50	1000	78F540	223.66
● PLT5S-C	17.5	0.19	5	50	100	94F2849	77.09
● PLT5S-M	17.5	0.19	5	50	1000	94F3127	316.29
● PLT6LH-L	21.9	0.3	6	120	50	95F3557	56.76
● PLT6LH-C	21.9	0.3	6	120	100	95F3558	74.24
● PLT7LHC	24.7	0.3	7	120	100	98F1691	85.21
● PLT7LH-L	24.7	0.3	7	120	50	66H2870	64.87
● PLT9LH-L	30.5	0.3	9	120	50	50F2901	84.27
● PLT9LH-C	30.5	0.3	9	120	100	84F1320	108.21
● PLT10LH-L	34.3	0.3	10.31	120	50	98F6614	105.73
● PLT10LH-C	34.3	0.3	10.31	120	100	08H0909	147.02
● PLT4H-L	14.5	0.3	4	120	50	78F511	39.55
● PLT4H-TL	14.5	0.3	4	120	250	90F1729	101.01
● PLT5H-C*	17.7	0.35	5	175	100	27C1280	80.66
● PLT5H-L*	17.7	0.35	5	175	50	95B0147	62.73
● PLT6H-L*	20.9	0.35	6	175	50	66H2868	69.77
● PLT6H-C*	20.9	0.35	6	175	100	66H2865	90.88
● PLT8H-L*	30.6	0.35	9	175	50	70B458	90.34
● PLT8H-C*	30.6	0.35	9	175	100	97B0629	122.42
● PLT13H-Q*	43.3	0.35	13	175	25	06H2959	64.64
● PLT13H-C*	43.3	0.35	13	175	100	94F2842	207.26

*UL recognized only (6501)

WEATHER RESISTANT PAN-TY® CABLE TIES



- Weather resistant Nylon 6.6, black — for outdoor use
- Greater resistant to ultraviolet light
- High strength and low thread force
- One-piece construction for consistent performance and reliability
- Curved tip design allows for easy pick up, faster initial threading and installation
- UL listed (except where noted), UL recognized



Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● PLT.7M-MO	3.1	0.09	0.68	18	1000	94F2836	44.07
● PLT1M-CO	3.9	0.098	0.87	18	100	89F227	21.23
● PLT1M-M30	3.9	0.098	0.87	18	1000	94F2839	47.31
● PLT1.5M-CO	5.6	0.098	1.25	18	100	89F221	24.28
● PLT1.5M-M30	5.6	0.098	1.25	18	1000	96F8051	65.67
● PLT2M-CO	8.0	0.098	2	18	100	94F3126	28.95
● PLT2M-MO	8.0	0.098	2	18	1000	94F2843	84.46
● PLT1.5I-CO	5.6	0.142	1.38	40	100	89F228	23.06
● PLT1.5I-MO	5.6	0.142	1.38	40	1000	89F220	77.76
● PLT2I-CO	8.0	0.142	2	40	100	89F208	34.33
● PLT2I-MO	8.0	0.142	2	40	1000	89F209	106.49
● PLT3I-CO	11.4	0.145	3	40	100	96F8060	46.55
● PLT3I-MO	11.4	0.145	3	40	1000	96F8064	218.38
● PLT4I-CO	14.5	0.145	4	40	100	97B0621	60.64
● PLT4I-MO	14.5	0.145	4	40	1000	70B5133	325.08
● PLT1.5S-CO	6.2	0.19	1.5	50	100	96F8097	26.15
● PLT1.5S-MO	6.2	0.19	1.5	50	1000	94F2837	89.34
● PLT2S-CO	7.4	0.19	1.88	50	100	89F210	25.55
● PLT2S-MO	7.4	0.19	1.88	50	1000	89F211	87.92
● PLT3S-MO	11.5	0.19	3	50	1000	87F6097	243.44
● PLT4S-CO	14.5	0.19	4	50	100	89F216	57.08
● PLT4S-MO	14.5	0.19	4	50	1000	89F217	258.56

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WEATHER RESISTANT PAN-TY® CABLE TIES (CONT.)

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● PLT5S-CO	17.5	0.19	5	50	100	97B0627	86.54
● PLT5S-MO	17.5	0.19	5	50	1000	98B9365	402.13
● PLT7LH-LO*	24.7	0.3	7	120	50	84F637	79.25
● PLT9LH-LO*	30.5	0.3	9	120	50	25C8106	95.05
● PLT9LH-CO*	30.5	0.3	9	120	100	96F8085	132.92
● PLT2H-TLO*	8.1	0.3	2	120	250	97B0598	91.60
● PLT2.5H-TLO*	9.8	0.3	2.5	120	250	66H2796	104.84
● PLT4H-LO*	14.5	0.3	4	120	50	89F215	44.53
● PLT4H-TLO*	14.5	0.3	4	120	250	90F3513	115.98
● PLT5H-CO*	17.7	0.35	5	175	100	97B0626	103.49
● PLT5H-LO*	17.5	0.35	5	175	50	70B9146	81.64
● PLT6H-LO*	20.9	0.35	6	175	50	94F3128	90.78
● PLT6H-CO*	20.9	0.35	6	175	100	66H2866	114.88
● PLT8H-LO*	30.6	0.35	9	175	50	84F639	107.55
● PLT8H-CO*	30.6	0.35	9	175	100	97B0630	145.90
● PLT13H-QO*	43.3	0.35	13	175	25	66H2792	90.17
● PLT13H-CO*	43.3	0.35	13	175	100	01E9037	241.27

*UL recognized only (5824)

PAN-TY® RELEASABLE CABLE TIES



- Extended release tab permits easy release and re-use where changes are anticipated during development, production, or servicing in the field
- To release, grasp the head of the cable tie, deflect release tab, and pull the cable tie away from the bundle



Constructed of durable Nylon 6.6. Color: natural. Also available in black, weather-resistant nylon; go online or call. UL listed, UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● PRT1S-C	4.8	0.19	1	50	100	99B2021	33.33
● PRT1S-M	4.8	0.19	1	50	1000	66H3284	160.31
● PRT1.5S-M	6.3	0.19	1.5	50	1000	89F225	135.65
● PRT2S-C	7.4	0.19	1.88	50	100	78F515	40.58
● PRT2S-M	7.4	0.19	1.88	50	1000	84F2186	136.27
● PRT3S-C	11.5	0.19	1.5	50	100	94F2858	68.69
● PRT3S-M	11.5	0.19	3	50	1000	94F5607	343.50
● PRT4S-C	14.5	0.19	4	50	100	94F3133	83.59
● PRT4S-M	14.5	0.19	4	50	1000	94F5717	398.99
● PRT2H-L	8.4	0.3	2	80	50	29H3059	47.53
● PRT2H-TL	8.4	0.3	2	80	250	66H3289	166.47
● PRT3H-L	11.4	0.3	3	80	50	67C1742	58.20
● PRT3H-TL	11.4	0.3	3	80	250	66H3292	251.40
● PRT4H-L	14.5	0.3	4	80	50	94F2859	58.81
● PRT4H-TL	14.5	0.3	4	80	250	22C0962	226.92
● PRT4H-TLO*	14.5	0.3	4	80	250	66H3295	310.17

*Black, weather-resistant nylon 6.6 (13157)

PAN-TY® CLAMP TIES



- Used to secure cable bundle to another surface such as a control panel, communication rack, wall or ceiling
- Design allows for bundling before or after screwing clamp in place
- Curved tip is easy to pick up from flat surfaces, allows faster initial threading and speeds installation



Constructed of durable Nylon 6.6. Color: natural. Also available in weather resistant and heat stabilized materials; go online or call. UL listed, UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Screw Size	Pkg. of	Stock No.	Price per Pkg.
● PLC1M-S4-C	4.3	0.1	0.75	18	#4	100	94F3118	32.70
● PLC1M-S4-M	4.3	0.1	0.75	18	#4	1000	70B1399	202.00

▶ CONTINUED ▶

WIRE & CABLE TIES

PAN-TY® CLAMP TIES (CONT.)

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strgth. (lbs.)	Screw Size	Pkg. of	Stock No.	Price per Pkg.
● PLC1.5I-S8-C	6.1	0.135	1.25	40	#8	100	94F3117	32.87
● PLC1.5I-S8-M	6.1	0.135	1.25	40	#8	1000	84F1323	207.09
● PLC2S-S6-C	7.9	0.19	1.84	50	#6	100	94F3119	36.30
● PLC2S-S6-M	7.9	0.19	1.84	50	#6	1000	84F1324	232.80
● PLC2S-S10-C	7.9	0.19	1.84	50	#10	100	78F512	36.37
● PLC2S-S10-M	7.9	0.19	1.84	50	#10	1000	78F542	193.60
● PLC3S-S10-C	12.0	0.19	3	50	#10	100	84F1325	83.98
● PLC3S-S10-M	12.0	0.19	3	50	#10	1000	84F1978	411.80
● PLC4S-S10-C	15.0	0.19	4	50	#10	100	84F1326	94.93
● PLC4S-S10-M	15.0	0.19	4	50	#10	1000	84F1979	475.40
● PLC2H-S25-L	9.0	0.3	2	120	1/4	50	99B6637	48.42
● PLC2H-S25-TL	9.0	0.3	2	120	1/4	250	66H2661	189.87
● PLC4H-S25-L	15.1	0.3	4	120	1/4	50	89F223	56.81
● PLC4H-S25-TL	15.1	0.3	4	120	1/4	250	48F6576	220.25

(13162)

PAN-TY® HALAR®
FLUOROPOLYMER
CABLE TIES

- Low-smoke density and excellent flammability rating of UL94V-0
- Commonly accepted solution for bundling qualified cable without conduit in air handling space applications
- Distinctive maroon color recognized by many inspectors



Rated UL listed, UL recognized as suitable for use in plenum or air handling spaces per NEC, Sec. 300-22(C) and (D).

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strgth. (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● PLT1M-C702Y	4.0	0.098	0.87	18	100	52K3080	92.31
● PLT1M-M702Y	4.0	0.098	0.87	18	1000	52K3082	611.41
● PLT2S-C702Y	7.4	0.19	1.88	50	100	52K3087	238.50
● PLT2S-M702Y	7.4	0.19	1.88	50	1000	52K3089	1562.56
● PLT3S-C702Y	11.6	0.19	3	50	100	52K3091	345.37
● PLT3S-M702Y	11.6	0.19	3	50	1000	52K3093	2337.93

NOTE: Halar® is the registered trademark of Solvay Solexis, Inc. (73910)

PAN-TY® MARKER
AND FLAG TIES

PLF1MA



PLF1M



PLM2S



PLM4S



PLF1MB



PLM1M, PLM2M



PLM2S



PLM3M

- Used to fasten and identify bundles at the same time
- Mark with Panduit® marker pens or computer printable labels
- Custom imprinting with text, symbols or trademarks available using Panduit® custom hot stamping service

Constructed of durable Nylon 6.6. Color: natural. Outdoor, high-temperature and colored marker and flag cable ties are also available; go online or call. UL recognized.

Mfg. Part No.	Lgth. (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strgth. (lbs.)	Write-On Area (in.)	Pkg. of	Stock No.	Price per Pkg.
● PLF1M-C	4.3	0.098	0.87	18	0.31 x 0.75	100	78F592	34.83
● PLF1M-M	4.3	0.098	0.87	18	0.31 x 0.75	1000	78F593	190.61
● PLF1MA-C	5.1	0.098	0.87	18	0.76 x 1.04	100	84F1958	51.61
● PLF1MA-M	5.1	0.098	0.87	18	0.76 x 1.04	1000	84F1959	330.58
● PLF1MB-C	4	0.098	0.75	18	0.31 x 0.92	100	88C9452	51.61
● PLF1MB-M	4	0.098	0.75	18	0.31 x 0.92	1000	97B0551	330.58
● PLM1M-C	3.9	0.098	0.75	18	0.26 x 0.95	100	78F513	35.11

➤ CONTINUED ➤

PAN-TY® MARKER AND FLAG TIES (CONT.)

Mfg. Part No.	Lgth. (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strgth. (lbs.)	Write-On Area (in.)	Pkg. of	Stock No.	Price per Pkg.
● PLM1M-M	3.9	0.098	0.75	18	0.26 x 0.95	1000	78F543	194.26
● PLM2M-C	8	0.098	2	18	0.26 x 0.95	100	94F3120	49.94
● PLM2M-M	8	0.098	2	18	0.26 x 0.95	1000	94F2835	300.74
● PLM2S-C	7.4	0.185	1.75	50	0.44 x 0.87	100	78F514	66.41
● PLM2S-D	7.4	0.185	1.75	50	0.44 x 0.87	500	90F1725	168.54
● PLM4S-C	14.6	0.185	4	50	0.44 x 2	100	94F3164	91.93
● PLM4S-D	14.6	0.185	4	50	0.44 x 2	500	84F1322	304.33
● PL2M2S-L	7.4	0.185	1.75	50	0.87 x 1.07	50	94F2851	93.29
● PL2M2S-D	7.4	0.185	1.75	50	0.87 x 1.07	500	70B5887	532.12
● PL3M2S-L	7.4	0.185	1.75	50	0.87 x 1.79	50	01C2146	122.67
● PL3M2S-D	7.4	0.185	1.75	50	0.87 x 1.79	500	97B0635	873.55

(13166)

PAN-TY® WING PUSH
MOUNT CABLE TIES

- Used to attach a bundle to another surface such as a flat panel
- Anchor is easily pressed into pre-drilled hole and locks in place
- Wings provide constant tension for a stable, secure and rattle-free installation
- UL recognized



Mfg. Part No.	Lgth. (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strgth. (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● PLWP1M-C	4.3	0.98	0.87	18	100	89F1174	33.64
● PLWP1S-C	5.2	0.19	1	50	100	89F1175	40.32
● PLWP2S-C	7.8	0.19	1.75	50	100	84F1327	46.44
● PLWP2H-TL	8.9	0.3	2	120	250	73C4935	163.92
● PLWP3H-TL	12	0.3	3	120	250	66H2890	195.44

(91145)

DOME-TOP BARB TY
CABLE TIES

- Dome-top head features unique patented design with round, smooth edges
- Stainless steel locking barb provides consistent performance and reliability
- Infinitely adjustable for tight bundles throughout its entire bundle range
- High strength and low thread force



Constructed of durable Nylon 6.6. Color: natural. UL listed, UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strgth. (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● BT1M-C	4.0	0.095	0.9	18	100	96F9934	17.33
● BT1M-M	4.0	0.095	0.9	18	1000	96F9935	43.12
● BT1.5M-C	6.3	0.095	1.5	18	100	16F5111	23.18
● BT1.5M-M	6.3	0.095	1.5	18	1000	16F5130	63.95
● BT2M-C	7.9	0.095	2	18	100	16F5112	24.31
● BT2M-M	7.9	0.095	2	18	1000	16F5131	64.93
● BT4M-C	14.2	0.095	4	18	100	16F5113	35.07
● BT4M-M	14.2	0.095	4	18	1000	16F5133	118.58
● BT1.5I-C	6.1	0.141	1.5	40	100	96F9936	19.99
● BT1.5I-M	6.1	0.141	1.5	40	1000	96F9937	65.91
● BT2I-C	8.0	0.141	2	40	100	96F9938	30.14
● BT2I-M	8.0	0.141	2	40	1000	96F9939	84.77
● BT3I-C	11.3	0.141	3	40	100	96F9940	37.17
● BT3I-M	11.3	0.141	3	40	1000	96F9941	180.49
● BT4I-C	14.3	0.141	4	40	100	96F9942	52.44
● BT4I-M	14.3	0.141	4	40	1000	96F9943	283.47
● BT2S-C	8.0	0.185	2	50	100	96F9944	25.26
● BT2S-M	8.0	0.185	2	50	1000	96F9945	89.18
● BT3S-C	12.0	0.185	3	50	100	96F9946	51.54
● BT3S-M	12.0	0.185	3	50	1000	96F9947	236.92
● BT4S-C	15.1	0.185	4	50	100	96F9948	58.08
● BT4S-M	15.1	0.185	4	50	1000	96F9949	264.79
● BT2LH-L	8.7	0.275	2	120	50	16F5121	27.48

➤ CONTINUED ➤



WIRE & CABLE TIES

DOME-TOP BARB TY CABLE TIES (CONT.)

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● BT2LH-TL	8.7	0.275	2	120	250	16F5142	103.43
● BT3LH-L	11.8	0.275	3	120	50	16F5122	36.63
● BT3LH-TL	11.8	0.275	3	120	250	16F5143	115.00
● BT4LH-L	14.9	0.275	4	50	50	16F5123	38.19
● BT4LH-TL	14.9	0.275	4	50	250	16F5144	131.04
● BT5LH-C	18.1	0.275	5	120	100	16F5145	71.95
● BT6LH-L	21.2	0.275	6	120	50	16F5125	56.40
● BT6LH-C	21.2	0.275	6	120	100	16F5146	81.82
● BT7LH-L	24.4	0.275	7	120	50	16F5126	63.20
● BT7LH-C	24.4	0.275	7	120	100	16F5147	94.85
● BT8LH-L	27.5	0.275	8	120	50	16F5127	80.03
● BT8LH-C	27.5	0.275	8	120	100	16F5148	114.68
● BT9LH-L	30.7	0.275	9	120	50	16F5128	81.32
● BT9LH-C	30.7	0.275	9	120	100	16F5149	116.93

(12537)

WEATHER-RESISTANT DOME-TOP® BARB TY CABLE TIES



- Weather resistant Nylon 6.6, black — for outdoor use
- Greater resistance to ultraviolet light
- Dome-Top head features unique patented design with round, smooth edges
- Stainless steel locking barb provides consistent performance and reliability
- Infinitely adjustable for tight bundles throughout its entire bundle range
- High-strength and low thread force
- UL listed, UL recognized (except where noted)



Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● BT1M-C0	4.0	0.095	0.9	18	100	97B0432	19.72
● BT1M-M0	4.0	0.095	0.9	18	1000	97B0433	61.28
● BT1.5M-C0	6.3	0.095	1.5	18	100	27C0723	23.60
● BT1.5M-M0	6.3	0.095	1.5	18	1000	01C0380	83.92
● BT2M-C0	7.9	0.095	2	18	100	97B0435	26.59
● BT2M-M0	7.9	0.095	2	18	1000	97B4014	87.69
● BT4M-M0	14.2	0.095	4	18	1000	98B8699	146.52
● BT1.5I-C0	6.1	0.141	1.5	40	100	94B7864	21.35
● BT1.5I-M0	6.1	0.141	1.5	40	1000	96B0914	81.48
● BT2I-C0	8.0	0.141	2	40	100	94B7868	31.46
● BT2I-M0	8.0	0.141	2	40	1000	97B0131	109.45
● BT3I-C0	11.3	0.141	3	40	100	27C2290	43.10
● BT2S-C0	8.0	0.185	2	50	100	29C7778	23.45
● BT2S-M0	8.0	0.185	2	50	1000	93B6413	90.36
● BT3S-C0	12.0	0.185	3	50	100	19C0300	47.98
● BT3S-M0	12.0	0.185	3	50	1000	14C7445	255.08
● BT2LH-L0*	8.7	0.275	2	120	50	65H8730	29.60
● BT2LH-TL0*	8.7	0.275	2	120	250	65H8731	117.03
● BT3LH-L0*	11.8	0.275	3	120	50	65H7807	0.80
● BT3LH-TL0*	11.8	0.275	3	120	250	65H8749	141.03
● BT4LH-L0*	14.9	0.275	4	50	50	65H8754	40.75
● BT4LH-TL0*	14.9	0.275	4	50	250	65H8755	148.53
● BT5LH-C0*	18.1	0.275	5	120	100	97B3368	74.95
● BT6LH-L0*	21.2	0.275	6	120	50	79K3492	63.63
● BT6LH-C0*	21.2	0.275	6	120	100	35C5297	86.61
● BT7LH-L0*	24.4	0.275	7	120	50	65H8767	72.52
● BT7LH-C0*	24.4	0.275	7	120	100	97B0440	96.70
● BT8LH-L0*	27.5	0.275	8	120	50	65H8769	91.26
● BT8LH-C0*	27.5	0.275	8	120	100	65H8768	110.17
● BT9LH-L0*	30.7	0.275	9	120	50	97B3738	90.51
● BT9LH-C0*	30.7	0.275	9	120	100	01C7196	123.18

*Not UL listed or UL recognized (83911)

DOME-TOP® BARB TY CLAMP TIES



- Used to secure a bundle of wires to another surface such as a control panel, communication rack, wall or ceiling
- Allows for bundling before or after screwing clamp in place
- Stainless steel locking barb provides consistent performance and reliability



Constructed of durable Nylon 6.6. Color: natural. Also available in weather-resistant and heat-stabilized black nylon; go online or call. UL listed, UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Screw Size	Pkg. of	Stock No.	Price per Pkg.
● BC1M-S4-M	4.6	0.095	0.9	18	#4	1000	65H8634	222.99
● BC1.5I-S8-M	6.6	0.141	1.5	40	#8	1000	65H8632	228.96
● BC2S-S10-D	8.5	0.185	2	50	#10	500	65H8639	107.56
● BC4LH-S25-L	15.5	0.275	4	120	1/4	50	65H8643	45.06

(79558)

DOME-TOP® BARB TY MARKER AND FLAG TIES



BF1M-C



BM1M-C, BM2M-C



B2M2S-D

- Used to fasten and identify bundles at the same time
- Can be marked with Panduit® Marker Pens or Computer Printable Labels
- Custom imprinting with text, symbols or trademarks available using Panduit® Custom Hot Stamping Service



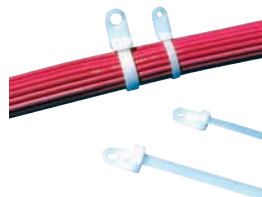
BM2S-C

Constructed of durable Nylon 6.6. Color: natural. Also available in black, weather-resistant nylon and sizes to bundle diameters up to 4.00" (102mm); go online or call Newark. UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Write-On Area (in.)	Pkg. of	Stock No.	Price per Pkg.
● BF1M-C	4.6	0.095	0.9	18	0.36 x 0.81	100	65H8660	31.59
● BM1M-C	4.2	0.095	0.9	18	0.29 x 1.09	100	94C2830	32.80
● BM2M-C	7.9	0.095	2	18	0.29 x 1.09	100	65H8668	47.08
● BM2S-C	8.0	0.185	2	50	0.49 x 0.91	100	65H8671	61.47
● B2M2S-D	8.0	0.185	2	50	1.15 x 0.91	500	65H8773	593.68

(79495)

STA-STRAP® CABLE, CLAMP AND MARKER TIES



SSC Series



SSM Series

- Exclusive two-piece design offers low thread force
- Releasable prior to final tensioning and cut-off
- Small head height allows more efficient use of space in compact areas

Sta-Strap® cable ties are ideal for normal bundling and thru-panel applications. Sta-Strap® clamp ties can be pre-mounted before tying bundle. Sta-Strap® marker ties can be used as a wrap-around or as a flag marker to fasten and identify bundles at the same time. Sold in packages quantities listed in table below.

STA-STRAP® CABLE TIES

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● SST1M-C	4.0	0.095	0.78	18	100	78F516	20.01
● SST1.5M-C	5.5	0.095	1.25	18	100	78F517	25.52
● SST1.5M-M	5.5	0.095	1.25	18	1000	78F530	74.20
● SST1.5I-C	5.3	0.135	1.25	40	100	90F5901	22.56
● SST1.5I-M	5.3	0.135	1.25	40	1000	78F610	77.86

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WIRE & CABLE TIES

STA-STRAP® CABLE, CLAMP AND MARKER TIES (CONT.)

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● SST2I-C	8.1	0.135	2	40	100	78F518	34.88
● SST3I-C	11.0	0.135	3	40	100	78F519	47.15
● SST3I-M	11.0	0.135	3	40	1000	78F532	208.17
● SST4I-C	14.7	0.135	4	40	100	78F521	62.61
● SST4I-M	14.7	0.135	4	40	1000	78F534	387.01
● SST1.5S-M	5.7	0.18	1.25	50	1000	97B2114	115.51
● SST2S-C	6.7	0.18	1.75	50	100	78F609	29.50
● SST2S-M	6.7	0.18	1.75	50	1000	78F685	104.43
● SST2S-MP	6.7	0.18	1.75	50	1000	13C5752	138.66
● SST3S-C	11.0	0.18	3	50	100	78F520	58.90
● SST4S-C	15.0	0.18	4	50	100	89F1181	66.79
● SST4S-M	15.0	0.18	4	50	1000	89F1182	301.85
● SST2H-D	8.0	0.3	2	120	500	07H3476	220.24
● SST4H-L	14.8	0.3	4	120	50	78F522	49.97
● SST4H-D	14.8	0.3	4	120	500	78F535	287.70
● SST8H-L	27.5	0.3	8	120	50	78F523	114.25
● SST8H-D	27.5	0.3	8	120	500	90F1726	819.00

STA-STRAP® CLAMP TIES

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Screw Size	Pkg. of	Stock No.	Price per Pkg.
● SSC2S-S10-C	7.4	0.18	1.75	50	#10	100	78F524	50.47
● SSC4H-S25-L	15.6	0.30	4	120	1/4"	50	78F526	83.09

STA-STRAP® MARKER TIES

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Write-On Area (in.)	Pkg. of	Stock No.	Price per Pkg.
● SSM2S-C	6.7	0.18	1.75	50	0.44 x 0.96	100	78F527	97.00
● SSM2S-D	6.7	0.18	1.75	50	0.44 x 0.96	500	78F504	218.27
● SSM4S-D	14.9	0.18	4	50	0.44 x 0.96	500	90F1728	1092.32

(73911)

CONTOUR-TY® CABLE TIES



- Low-profile head avoids snags by reducing overall bundle size
- Designed with outside teeth and smooth round edges to protect cable jacket
- Parallel-entry limits exposure to sharp edges and protects workers arms and hands
- Fully enclosed head for consistent strength

Constructed of durable Nylon 6.6. Color: natural. Also available in black, weather-resistant nylon; go online or call Newark. UL listed, UL recognized.



Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● CBR1M-M	4.1	0.098	1	18	1000	04H6871	42.48
● CBR1.5M-M	5.6	0.098	1.5	18	1000	04H6870	64.26
● CBR2M-M	7.2	0.098	2	18	1000	04H6873	65.34
● CBR1.5I-M	5.9	0.14	1.5	40	1000	04H6869	65.70
● CBR3I-M	10.4	0.14	3	40	1000	04H6875	179.82
● CBR4I-M	13.6	0.14	4	40	1000	04H6877	279.90
● CBR4I-M0*	13.6	0.14	4	40	1000	65H8807	371.16
● CBR2S-M	7.6	0.19	2	50	1000	04H6874	89.82
● CBR3S-M	10.8	0.19	3	50	1000	04H6876	233.82
● CBR4S-M	14.0	0.19	4	50	1000	04H6879	261.00
● CBR2HS-D	8.0	0.25	2	85	500	04H6872	166.77
● CBR4LH-TL	14.6	0.3	4	120	250	04H6878	136.76
● CBR6LH-C	20.9	0.3	6	120	100	04H6880	80.21

*Black, weather-resistant Nylon 6.6 (73908)

METAL MARKER PLATES



Fig. 1



Fig. 2

These stainless steel marker plates/tags are designed for permanent identification applications in harsh environments. Radiation-, chemical- and weather-resistance. Ideal for use with **mfg. part no. MLT-S*** locking ties, ordered separately on this page.

Mfg. Part No.	Fig.	Size (in.)	Pkg. of	Stock No.	Price per Pkg.
● MMP350-C	1	0.75 x 3.50	100	94F2794	92.98
● MMP172-C316	2	0.75 x 1.72	100	95F5419	88.48

*Also used with "S" hooks, jack chains and beaded chains (6415)

EXTRA-HEAVY TIE MOUNTS



Designed for use with Panduit® extra heavy cross-section lashing ties for mounting cable, large wire bundles or tubular shapes. Material: weather-resistant nylon for use outdoors. Color: black. Sold in packages of 25 and 100 pieces.

Mfg. Part No.	Hole Diameter	Pk. Qty.	Stock No.	Price per Pkg.
● TMEH-S8-C0	0.18" (4.6mm)	100	70B4918	98.93
● TMEH-S8-Q0	0.18" (4.6mm)	25	97B2125	48.76
● TMEH-S10-C0	0.20" (5.1mm)	100	70B9145	98.93
● TMEH-S10Q0	0.20" (5.1mm)	25	98F301	46.42
● TMEH-S25-C0	0.26" (6.6mm)	100	96B1040	98.93
● TMEH-S25-Q0	0.26" (6.6mm)	25	84F616	49.23

(60774)

PAN-STEEL® STAINLESS STEEL CABLE TIES



High-strength 304 stainless steel cable ties are designed for bundling, identifying and fastening applications in harsh environments. Fast and easy to install. Resistant to abrasion, radiation, weathering corrosion and temperature extremes. Self-locking, no sharp edges and easily installed by hand or tool; order installation tool separately on page 1272. For extra protection, choose polyester-coated 316 stainless steel ties, ordered separately below. Sold in package quantities indicated in table below.



STAINLESS STEEL CABLE TIES

Mfg. Part No.	Maximum Bundle Diameter	Length	Cross-Section Tensile	Pkg. of	Stock No.	Price per Pkg.
● MLT1S-CP	1.00"	5.0"	Std. 200-lb.	100	84F1852	103.48
● MLT2S-CP	2.00"	7.9"		100	81F4590	105.98
● MLT4S-CP	4.00"	14.3"		100	94F2792	126.86
● MLT6S-CP	6.00"	20.5"		100	94F2793	186.22
● MLT2H-LP	2.00"	7.9"	Heavy 450-lb.	50	94F3105	62.96
● MLT4H-LP	4.00"	14.3"		50	81F4586	75.35
● MLT6H-LP	6.00"	20.5"		50	84F1850	110.62

POLYESTER-COATED 316 STAINLESS STEEL CABLE TIES

Mfg. Part No.	Maximum Bundle Diameter	Length	Cross-Section Tensile	Pkg. of	Stock No.	Price per Pkg.
● MLTFC2H-LP316	2.00"	7.9"	Heavy 250-lb.	50	52K3022	139.12
● MLTFC4H-LP316	4.00"	14.3"		50	52K3023	163.26

(6414)

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(148859)

WIRE & CABLE TIES

STAINLESS STEEL
CABLE TIE MOUNTS

Provides an entire stainless steel attachment when used with Pan-Steel® stainless steel cable ties, *order separately on page 1265*. Screw-fastened. Low profile design. Utilizes only one hole for mounting. **Sold in packages of 100.**



Mfg. Part No.	For Use with Pan-Steel® Cable Ties	Mounting Method	Size (in.)	Stock No.	Price per Pkg.
● MTM1H-C	MLT-S/LH/H	#8 Screw	0.4 x 0.9	96F3458	145.87
● MTM1H10-C	MLT-S/LH/H	#10 Screw	0.4 x 0.9	95F5452	145.87
● MTM1H25-C	MLT-S/LH/H	¼" Screw	0.4 x 0.9	95F5453	145.87

(6384)

STAINLESS STEEL TWO-
WAY CABLE TIE MOUNTS

These stainless steel two-way cable tie mounts allow stainless steel cable ties to be inserted from either of two sides, providing a low-profile attachment with only one hole for maximum holding and stability. Maximum screw head height 0.09". For use with Pan-Steel® stainless steel cable ties, *ordered separately on page 1265*. **Sold in packages of 25.**



Mfg. Part No.	For Use with Pan-Steel® Cable Ties	L x W x H (in.)	Stock No.	Price per Pkg.
● MTM2H-Q	MLT-S/LH/H	0.71 x 0.71 x 0.3	95F5454	92.94

(6385)

NYLON MARKING PLATES



White nylon marking plates are used with miniature, intermediate and standard size nylon cable ties, *ordered separately on pages 1261-1262*, for permanent or temporary identification. Can be used vertical or horizontal as a wrap, tag, or flag. Mark with marking pens; *ordered separately on page 1279*. **Sold in packages of 100 and 1000.**



Mfg. Part No.	H x W	Pkg. of	Stock No.	Price per Pkg.
● MP150-C	0.75 x 1.50"	100	84F1913	65.93
● MP175-C	0.75 x 1.75"	100	94F2796	69.39
● MP-200-C	0.75 x 2.00"	100	94F3108	72.04
● MP250-C	0.75 x 2.50"	100	94F3109	77.55
● MP350-C	0.75 x 3.50"	100	98F029	95.80
● MP-250M	0.75 x 2.50"	1000	94F2797	496.70

(6426)

CABLE TIE AND MOUNT KITS



Mfg. part no. **KP-509** kit contains over 600 pieces including PAN-TY® cable ties (in different styles, sizes, colors, and materials), 25 different cable tie mounts, and 30 different wiring accessories. Ideal for prototyping and new product development. Packaged in a sturdy plastic storage box. Mfg. part no. **KP-507** kit contains over 700 pieces of fixed diameter cable clamps, as detailed in the table below. Size range: 0.12" to 1.25" bundle capacity.



MFG. PART NO. KP-507 KIT CONTENTS

KP-509

(100) CCS12-S8	(25) CCS50-S8	(25) CCH44-S10	(10) CCH81-S10
(100) CCS19-S8	(75) CCH12-S10	(25) CCH50-S10	(10) CCH87-S10
(50) CCS25-S8	(50) CCH19-S10	(25) CCH56-S10	(5) CCH100-S10
(50) CCS31-S8	(45) CCH25-S10	(15) CCH62-S10	(5) CCH112-S10
(35) CCS38-S8	(35) CCH31-S10	(10) CCH69-S10	(5) CCH119-S10
(25) CCS44-S8	(25) CCH38-S10	(10) CCH75-S10	(5) CCH125-S10

Mfg. Part No.	Stock No.	Price per Kit
● KP-509	50F1285	199.89
● KP-507	99F7036	143.96

(6429)

NYLON CABLE TIE MOUNTS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

SIZE CODES FOR CABLE TIE MOUNTS

* Use with cable ties: M=Miniature; I=Intermediate; S=Standard; H=Heavy (including Light Heavy-LF). *Order cable ties separately on pages 1261-1262.*

Size Code	Fig.	W x L	Mounting	Use With Cable Ties*
A	1	0.50 x 0.50"	Adhesive	M
B	1	0.75 x 0.75"	Adhesive	M,I
C	3	1.00 x 1.00"	Adhesive	M,I,S
D	3	1.12 x 1.12"	Adhesive	M,I,S
E	3	1.50 x 1.50"	Adhesive	M,I,S,H
F	3	2.00 x 2.00"	Adhesive	M,I,S,H
G	2	1.00 x 1.00"	Adhesive	M,I,S
J	4	0.37 x 0.75"	#8 Screw	M,I,S
L	5	0.75 x 0.50"	#8 Screw	M,I,S
M	6	0.32 x 0.50"	#4 Screw	M
N	6	0.42 x 0.63"	#6 Screw	M,I,S
O	6	0.42 x 0.63"	#8 Screw	M,I,S
P	6	0.61 x 0.86"	#10 Screw	M,I,S,H
R†	7	0.36 x 0.75"	Push- ¼" hole	M,I,S
S††	7	0.60 x 0.71"	Push- ¼" hole	M,I,S
T‡	8	0.30 x 0.38"	Push- ¼" hole	M,I,S
U	9	0.53 x 0.55"	Push ⅜" Hole	M,I,S
V	9	0.39 x 0.40"	Puch ¼" Hole	M,I,S

†For 0.105" maximum panel; ††For 0.09" maximum panel; ‡For 0.125" maximum panel

Mfg. Part No.	Size Code	Pkg. of	Stock No.	Price per Pkg.
● ABM1M-A-C	A	100	89F2504	55.93
● ABMM-A-C	B	100	78F622	80.51
● ABM2S-A-C	C	100	78F623	108.42
● ABM112-A-C	D	100	94B4057	108.34
● ABM3H-A-L	E	50	84F1818	93.09
● ABM100-A-C	G	100	95F5094	106.30
● ABM1M-A-M	A	1000	89F2509	310.83
● ABMM-A-D	B	500	87F6091	212.06
● ABM2S-A-D	C	500	89F2510	241.27
● ABM3H-A-T	E	200	84F1819	201.27
● ABM4H-A-T	F	200	84F1820	263.84
● ABM100-A-D	G	500	95F5097	238.89
● TA1S8-C	J	100	78F620	36.82
● LPMS-S8-C	L	100	84F603	32.45
● TM1S4-C	M	100	89F2506	24.97
● TM2S6-C	N	100	89F2507	39.74
● TM2S8-C	O	100	78F624	38.22
● TM3S8-C	P	100	94F3155	58.49
● TM3S10-C	P	100	87F6100	59.87
● PWMS-H25-C	R	100	89F2508	37.95
● TM2PWH25-C	S	100	95F5095	75.32
● PM2H25-C	T	100	94F3129	36.75
● TA1S8-M	J	1000	78F621	134.55
● LPMS-S8-M	L	1000	98F7641	167.10
● TM2S6-M	N	1000	89F2513	170.24
● TM2S8-M	O	1000	89F2514	162.05
● TM3S8M	P	1000	84F2089	282.36
● TM3S10-M	P	1000	50F2892	304.92
● PM2H25-M	T	1000	50F2906	168.48
● MPMS19-CO	U	100	84F598	57.91
● MPMS25-CO	V	100	84F1822	69.69

(6502)

WIRE & CABLE TIES

CABLE TIES

VOLTREX[®]
brand

Fig. 1



Fig. 2

VRT series is for general-purpose indoor applications. UL94V-2 rated flammability. -40°F to +185°F continuous temp. range. **VUVT series** is for general-purpose outdoor applications. UL94V-2 rated flammability. -40°F to +185°F continuous temperature range. **VHST series** for higher-temp., indoor applications. UL94V-2 rated flammability. -40°F to +220°F continuous temp. range. **VTZT series** are for high-temp., chemical, radiation applications. -50°F to +302°F continuous temp. range.

VHRT series for plenum wiring applications. Low smoke density. -50°F to +248°F continuous temp. range. *Order cable tie installation tools separately; go online or call. Sold in packages of quantities listed below.*

VRT SERIES, NATURAL NYLON % TIES - FIG. 1

Bundle Diameter	Tensile Strength	Length	Width	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.
							Each				Each
5/8"	18 lbs.	3 3/8"	0.08"	● VRT-05M-C	100	81N1693	4.68	● VRT-05M-M	1000	81N1692	26.95
3/4"	18 lbs.	4"	0.10"	● VRT-06M-C	100	78N506	4.40	● VRT-06M-M	1000	78N536	24.80
1 1/4"	18 lbs.	5 3/4"	0.10"	● VRT101M-C	100	84N1531	8.33	● VRT101M-M	1000	84N1532	38.54
2"	18 lbs.	8"	0.10"	● VRT-11M-C	100	78N517	8.01	● VRT-11M-M	1000	78N530	46.37
1 1/4"	30 lbs.	6"	0.14"	● VRT-10I-C	100	78N507	8.52	● VRT-10I-M	1000	78N537	39.41
2"	40 lbs.	8 1/2"	0.15"	● VRT-16S-C	100	78N508	14.61	● VRT-16S-M	1000	78N538	67.55
3"	40 lbs.	11 1/2"	0.15"	● 8409-0379	100	16N869	27.80	● 8409-0382	1000	16N872	160.09
4"	40 lbs.	14 1/2"	0.15"	● 8409-0385	100	16N875	29.21	● 8409-0388	1000	16N878	168.17
1 3/4"	50 lbs.	8"	0.18"	● VRT-16I-C	100	78N518	13.20	● VRT-16I-M	1000	78N531	76.00
3"	50 lbs.	11 3/4"	0.18"	● VRT-22S-C	100	78N509	30.89	● VRT-22S-M	1000	78N539	177.87
4"	50 lbs.	15 1/2"	0.18"	● VRT-36S-C	100	78N510	32.39	● VRT-36S-D	500	78N540	93.25
4"	120 lbs.	15 1/4"	0.30"	● VRT-34H-L	50	78N511	24.74	● VRT-34H-C	100	78N541	71.54
6"	175 lbs.	21"	0.35"	● 8409-0340	25	16N830	18.12	...	...	...	...
8 3/4"	120 lbs.	29 3/4"	0.30"	● 8409-0338	50	16N828	33.07	...	...	...	...

VUVT SERIES, BLACK WEATHER-RESISTANT NYLON % TIES - FIG. 1

Bundle Diameter	Tensile Strength	Length	Width	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.
							Each				Each
5/8"	18 lbs.	3 3/4"	0.10"	● VUVT-05M-C	100	46N2670	4.87	● VUVT-05M-M	1000	46N2679	28.03
3/4"	18 lbs.	4"	0.10"	● VUVT-06M-C	100	46N2671	4.40	● VUVT-06M-M	1000	46N2680	24.80
2"	18 lbs.	8"	0.10"	● VUVT-11M-C	100	46N2672	8.33	● VUVT-11M-M	1000	46N2681	47.98
1 1/4"	30 lbs.	6"	0.14"	● VUVT-10I-C	100	46N2673	8.52	● VUVT-10I-M	1000	46N2682	49.05
2"	40 lbs.	8 1/2"	0.15"	● VUVT-16S-C	100	46N2675	13.67	● VUVT-16S-M	1000	46N2684	76.00
3"	40 lbs.	11 1/2"	0.15"	● 8409-0380	100	16N870	27.80	● 8409-0383	1000	16N873	160.09
4"	40 lbs.	14 1/2"	0.15"	● 8409-0386	100	16N876	29.21	● 8409-0389	1000	16N879	160.25
1 3/4"	50 lbs.	8"	0.18"	● VUVT-16I-C	100	46N2674	14.61	● VUVT-16I-M	1000	46N2683	84.09
3"	50 lbs.	11 1/4"	0.18"	● VUVT-22S-C	100	46N2676	30.89	● VUVT-22S-M	1000	46N2685	177.87
4"	50 lbs.	15 1/2"	0.18"	● VUVT-36S-C	100	46N2677	32.39	● VUVT-36S-D	500	46N2686	93.25
4"	120 lbs.	15 1/4"	0.30"	● VUVT-34H-L	50	46N2678	24.74	● VUVT-34H-C	100	46N2687	77.32
8 3/4"	120 lbs.	29 3/4"	0.30"	● 8409-0339	50	16N829	35.94	...	...	...	...

VHST SERIES, BLACK HEAT-STABILIZED NYLON % TIES - FIG. 1

Bundle Diameter	Tensile Strength	Length	Width	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.
							Each				Each
5/8"	18 lbs.	3 3/4"	0.08"	● 8409-0365	100	16N855	4.87	● 8409-0366	1000	16N856	28.03
3/4"	18 lbs.	4"	0.10"	● 8409-0367	100	16N857	4.68	● 8409-0368	1000	16N858	26.95
1 1/4"	18 lbs.	5 3/4"	0.10"	● 8409-0369	100	16N859	8.80	● 8409-0370	1000	16N860	52.83
2"	18 lbs.	8"	0.10"	● 8409-0372	100	16N862	9.27	● 8409-0374	1000	16N864	53.37
1 1/4"	30 lbs.	6"	0.14"	● 8409-0375	100	16N865	8.90	● 8409-0376	1000	16N866	51.21
2"	40 lbs.	8 1/2"	0.15"	● 8409-0377	100	16N867	15.35	● 8409-0378	1000	16N868	88.40
3"	40 lbs.	11 1/2"	0.15"	● 8409-0381	100	16N871	30.24	● 8409-0384	1000	16N874	160.05
4"	40 lbs.	14 1/2"	0.15"	● 8409-0387	100	16N877	31.83	● 8409-0390	1000	16N880	168.23
1 3/4"	50 lbs.	8"	0.18"	● 8409-0391	100	16N881	15.35	● 8409-0392	1000	16N882	88.40
3"	50 lbs.	11 3/4"	0.18"	● 8409-0393	100	16N883	32.39	● 8409-0394	1000	16N884	186.50
4"	50 lbs.	15 1/2"	0.18"	● 8409-0395	100	16N885	35.29	● 8409-0396	500	16N886	97.83

VTZT SERIES, AQUA BLUE TEFZEL® TIES - FIG. 1

Mfg. Part No.	Bundle Dia.	Tensile Strength	Length	Width	Pkg. of	Stock No.	Price per Pkg.	
							Each	
● 8409-0360	3/4"	9 lbs.	4"	0.10"	100	16N850	112.14	
● 8409-0361	1 1/4"	30 lbs.	8"	0.18"	100	16N851	211.82	

VHRT SERIES, RED HALAR® TIES - FIG. 1

● 8409-0358	7/8"	14 lbs.	4"	0.10"	100	16N848	116.44	
● 8409-0359	1 1/4"	40 lbs.	8"	0.18"	100	16N849	201.34	

LADDER TIES - FIG. 2

Not tool installable.

1703	1 3/4"	40 lbs.	7"	0.14"	100	92N3613	6.92	
1704	3"	40 lbs.	11"	0.14"	100	92N3614	12.45	

(6487)

WIRE & CABLE TIES

VOLTREX™ BRAND
CABLE TIESVOLTREX™
brandSPC
TECHNOLOGY

Fig. 1 - Screw Mount



Fig. 2 - Push Mount



Fig. 3 - Flag/Marker Tie



Fig. 4 - Flag/Marker Tie



Fig. 5 - Flag/Marker Tie

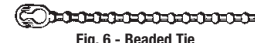


Fig. 6 - Beaded Tie



Fig. 7 - Standard Releasable



Fig. 8 - Quick Releasable



Fig. 9 - Hook-and-Loop

VMT SERIES, NATURAL NYLON % SCREW MOUNT TIES - FIG. 1

Ties secure wire bundles with a common screw and pre-drilled hole. Sold in package quantities indicated below.

Mfg. Part No.	Bundle Diameter	Tensile Strength	Length	Width	Screw Size	Pkg. of	Stock No.	Price per Pkg. Each
● 8409-0342	3/4"	18 lbs.	4 1/4"	0.10"	#4	100	16N832	12.95
● 8409-0344	1 1/4"	30 lbs.	6 1/4"	0.14"	#8	100	16N834	14.24
● 8409-0345	1 1/4"	30 lbs.	6 1/4"	0.14"	#8	1000	16N835	138.21
● VMT-12S-C	1 1/2"	50 lbs.	6 3/4"	0.18"	#10	100	78N512	17.71
● 8409-0346	1 1/2"	50 lbs.	6 3/4"	0.18"	#10	1000	16N836	178.85
● 8409-0347	4"	120 lbs.	16 1/4"	0.30"	1/4"	50	16N837	22.50

VPMT SERIES, NATURAL NYLON % PUSH MOUNT TIES - FIG. 2

Ties snap into a pre-drilled hole.

Mfg. Part No.	Bundle Diameter	Tensile Strength	Length	Width	Hole Size	Pkg. of	Stock No.	Price per Pkg. Each
● 8409-0348	1 1/4"	30 lbs.	6 1/2"	0.14"	0.187"	100	16N838	14.31

VFMT SERIES, NATURAL NYLON %, FLAG AND MARKER TIES - FIGS. 3, 4, 5

Ties bundle and identify wires. Can be marked with type TNMP-0 SPC marker pen; order separately; go online or call.

Mfg. Part No.	Bundle Diameter	Tensile Strength	Length	Width	Fig.	Pkg. of	Stock No.	Price per Pkg. Each
● 8409-0352	3/4"	18 lbs.	4"	0.10"	3	100	16N842	12.90
● 8409-0353	3/4"	18 lbs.	4"	0.10"	3	1000	16N843	123.16
● 8409-0354	3/4"	18 lbs.	4 1/4"	0.10"	4	100	16N844	12.33
● 8409-0355	3/4"	18 lbs.	4 1/4"	0.10"	4	1000	16N845	122.80
● 8409-0356	1 3/4"	50 lbs.	8"	0.18"	5	100	16N846	18.78
● 8409-0357	1 3/4"	50 lbs.	8"	0.18"	5	1000	16N847	178.85

COLORED BEADED TIES - FIG. 6

Wrap around wire bundle thread through specially designed loop, pull tight, and lock in place. To add more to bundle, open the tie, add wires, and refasten. High-dielectric strength makes beaded ties perfect for electrical harnesses. Not tool installable.

Mfg. Part No.	Length	Color	Material	Pkg. of	Stock No.	Price per Pkg. Each
● BTP-4-RED	4"	Red	Polyethylene	100	32N692	7.28
● BTP-4-YEL	4"	Yellow	Polyethylene	100	32N1250	7.28
● BTP-4-BLU	4"	Blue	Polyethylene	100	32N1251	7.28
● BTN-4-WHT	4"	White	Polyethylene	100	32N1267	7.17
● BTP-6-RED	6"	Red	Nylon	100	23N3683	12.42
● BTP-6-YEL	6"	Yellow	Polyethylene	100	23N3684	12.42
● BTP-6-BLU	6"	Blue	Polyethylene	100	23N3685	12.42
● BTN-6-WHT	6"	White	Polyethylene	100	23N3686	11.83
● BTP-8-RED	8"	Red	Nylon	100	23N3687	16.32
● BTP-8-YEL	8"	Yellow	Polyethylene	100	23N3688	16.32
● BTP-8-BLU	8"	Blue	Polyethylene	100	23N3689	16.32
● BTN-8-WHT	8"	White	Polyethylene	100	23N3690	15.57
● BTP-10-BLU	10"	Blue	Polyethylene	100	23N3693	19.91
● BTN-10-WHT	10"	White	Nylon	100	23N3694	19.00

VTRT SERIES, NATURAL NYLON STANDARD RELEASABLE TIES - FIG. 7

Ideal for applications that require changing or repair. Tie is easily removed by depressing protruding tab in head. Not tool installable.

Mfg. Part No.	Bundle Diameter	Tensile Strength	Length	Width	Pkg. of	Stock No.	Price per Pkg. Each
● VTRT-12S-C	1 1/2"	50 lbs.	6"	0.19"	100	81N1697	9.05
● VTRT-16S-C	2"	50 lbs.	8"	0.19"	100	81N1699	10.54
● VTRT-32S	4"	50 lbs.	15 1/2"	0.18"	100	95N3331	38.20

NATURAL NYLON QUICK RELEASABLE TIES - FIG. 8

Releasable, adjustable and reusable. Tie releases by simply pressing tab with finger; no tools required. Not tool installable.

Mfg. Part No.	Bundle Diameter	Tensile Strength	Length	Width	Pkg. of	Stock No.	Price per Pkg. Each
● SPC11488	2"	40 lbs.	8"	0.21"	100	36C2862	20.44
● 2603	2 1/2"	40 lbs.	10 1/2"	0.21"	100	92N4818	30.87

➔ CONTINUED ➔

VOLTREX™ BRAND CABLE TIES (CONT.)

BLACK HOOK-AND-LOOP RELEASABLE TIES - FIG. 9

Easy to wrap and unwrap. Ideal for power cords, extension cords, and computer cable. Not tool installable. Other colors available; go online or call.

Mfg. Part No.	Bundle Diameter	Length	Width	Pkg. of	Stock No.	Price per Pkg. Each
● 8408-0418	1"	6"	1/2"	10	16N981	13.97
● 8408-0419	1 1/2"	8"	1/2"	10	16N982	12.53
● 8408-0420	2 1/2"	11"	1/2"	10	16N983	14.67
● 8408-0421	3 1/2"	15"	3/4"	10	16N984	44.73

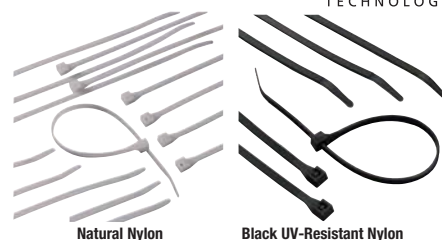
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DOUBLE-SIDED WIRE
AND CABLE TIES

Just Added

SPC
TECHNOLOGY

- Flexible nylon allows ties to remain serviceable in temperatures of -40° to +185°F (40° to 85°C)
- Ultraviolet black ties resist degradation by UV rays
- Meets Military Specification MS3367
- Meets flammability classification UL 94 V-2
- Recognized under component program of UL E125869



Natural Nylon

Black UV-Resistant Nylon

NATURAL NYLON TIES

Mfg. Part No.	Bundle Diameter (in.)	Tensile Strength (lbs.)	Length (in.)	Pkg. of	Stock No.	Price per Pkg.
SPC25006	2	75	8	100	06P9588	4.49
SPC25007	3	75	11	100	06P9589	8.33
SPC25008	4	75	14	100	06P9591	8.39
SPC23773	4	75	14	1000	08N8169	78.90
SPC25009	4	120	15	50	06P9593	11.68

BLACK UV-RESISTANT NYLON TIES

SPC23817	3	75	11	100	11N6784	9.14
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VOLTREX™ BRAND
CABLE TIESVOLTREX™
brandSPC
TECHNOLOGY

Fig. 1 - D-Ring Hook-and-Loop

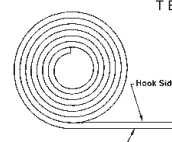
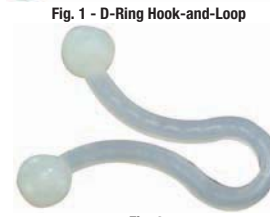


Fig. 2 - Hook-and-Loop Rolls

Fig. 3
Twist-LockFig. 4
Kurly-Lok

D-RING HOOK-AND-LOOP RELEASABLE TIES - FIG. 1

Allows for easy bundling of cable for permanent or temporary use. Woven nylon tie with 1" nylon D-ring buckle for easy cinching. Releasable, adjustable, and reusable. Operating temperature: 120°. Not tool installable. Sold in multiples of 10.

Mfg. Part No.	Color	Bundle Diameter	Length	Width	Stock No.	Price Each
● SPC5345	Black	2"	9"	1"	50N928	3.32
● SPC5352	Black	3"	12"	1"	50N935	3.48
● SPC5359	Black	4"	15"	1"	50N942	3.62
● SPC5366	Black	5"	20"	1"	50N949	4.01
● SPC5373	Black	6 1/2"	24"	1"	50N956	4.07
● SPC5354	Red	3"	12"	1"	50N937	3.48
● SPC5361	Red	4"	15"	1"	50N944	3.62
● SPC5348	Blue	2"	9"	1"	50N931	3.32
● SPC5355	Blue	3"	12"	1"	50N938	3.48
● SPC5362	Blue	4"	15"	1"	50N945	3.62
● SPC5376	Blue	6 1/2"	24"	1"	50N959	4.07

HOOK-AND-LOOP ROLLS - FIG. 2

Create the cable tie size required by cutting only the length needed and saving the remainder for future use. Low-density polyethylene hook with durable nylon knit loop. Releasable, adjustable, and reusable. Choose from 6 popular colors. Operating temperature: 120°. Individually wrapped. Not tool installable. Sold in 15' rolls.

➔ CONTINUED ➔

WIRE & CABLE TIES

VOLTREX™ BRAND CABLE TIES (CONT.)

Mfg. Part No.	Color	Bundle Diameter	Length	Width	Stock No.	Price per Roll
● SPC5325	Black	Various	15'	1"	50N691	15.34
● SPC5326	Blue	Various	15'	1"	50N692	20.13
● SPC5327	Red	Various	15'	1"	50N693	22.87
● SPC5328	Green	Various	15'	1"	50N694	22.87
● SPC5380	Orange	Various	15'	1"	50N693	22.87
● SPC5329	Yellow	Various	15'	1"	50N695	22.87

TWIST-LOCK NYLON TIES - FIG. 3

Nylon 6/6 twist-type ties fasten and release with a fingertip twist. Easy to use and reuse. Simply twist to secure wire bundles and untwist to unwrap. UL recognized. Sold in packages of 100.

Mfg. Part No.	Diameter	Color	Stock No.	Price per Pkg.
● TWT-3	0.20-0.30"	Natural	78N594	7.89
● TWT-3-CG GRN	0.20-0.30"	Green	90N6331	8.17
● TWT-4	0.30-0.40"	Natural	78N595	8.39
● TWT-4-CB BLUE	0.30-0.40"	Blue	90N6332	8.72
● TWT-5	0.40-0.50"	Natural	78N596	9.40
● TWT-8	0.70-0.80"	Natural	78N597	11.02
● TWT-8-CY YEL	0.70-0.80"	Yellow	90N6333	11.41

KURLY-LOK NYLON TIES - FIG. 4

Nylon 6/6 twist-type ties fasten and release with a fingertip twist. Easy to use and reuse. Rounded edges prevent abrasion. Holds up to 20 lbs. tensile strength. UL recognized. Sold in package quantities listed below.

Mfg. Part No.	Bundle Diameter	Color	Pkg. of	Stock No.	Price per Pkg.
● 8408-0934	0.20-0.30"	Blue	1000	16N2823	55.68
● 8408-0935	0.30-0.40"	Orange	1000	16N2824	60.32
● LWT-6-NATURAL	0.55-0.65"	Natural	100	92N9073	71.09
● 8408-0933	0.55-0.65"	Black	1000	16N8046	75.36

(60970)

NYLON CABLE TIES



- Large selection of sizes
- Durable nylon 6.6 construction
- Easily adjustable for tight, secure bundles
- UL94V-2 flammability rated
- UL recognized, CSA certified



Natural

Black

Choose general-purpose cable ties for indoor applications in popular natural and black, black weather-resistant cable ties for outdoor use or releasable cable ties that permit easy release and reuse in natural and black. Sold in package quantities indicated in tables below.

GENERAL-PURPOSE NYLON CABLE TIES — NATURAL

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
CBBR6666	3.9	0.098	0.855	18	100	04N9652	0.63
CBBR6667	3.9	0.098	0.855	18	1000	04N9653	3.09
CBBR6670	5.6	0.098	1.38	18	100	04N9654	0.94
CBBR6672	5.6	0.126	1.38	18	100	04N9655	1.47
CBBR6678	7.78	0.098	2.1	18	100	04N9658	1.24
CBBR6679	7.87	0.098	2.1	18	1000	04N9659	9.61
CBBR6690	14.56	0.142	4.24	18	100	04N9669	2.85
CBBR6681	7.99	0.142	2.108	40	100	04N9660	1.72
CBBR6686	11.81	0.142	3.26	40	100	04N9665	2.38
CBBR6687	11.81	0.142	3.26	40	1000	04N9666	21.18
CBBR6688	11.8	0.189	3.36	40	100	04N9667	3.06
CBBR6689	11.8	0.189	3.36	40	1000	04N9668	25.32
CBBR6682	7.99	0.142	2.108	40	1000	04N9661	13.39
CBBR6674	5.9	0.266	1.48	50	100	04N9656	3.13
CBBR6683	7.99	0.18	2.108	50	100	04N9662	1.97
CBBR6684	7.99	0.18	2.108	50	1000	04N9663	17.60
CBBR6685	9.84	0.266	2.73	50	100	04N9664	5.18
CBBR6692	14.56	0.189	4.24	50	100	04N9670	4.10
CBBR6693	14.56	0.189	4.24	50	1000	04N9671	33.96
CBBR6677	7.08	0.189	1.607	50	1000	04N9657	17.13
CBBR6694	14.56	0.3	4.24	120	1000	04N9672	6.87

GENERAL-PURPOSE NYLON CABLE TIES — BLACK

CBBR6697	3.9	0.098	0.855	18	100	04N9675	0.63
CBBR7242	5.6	0.098	1.38	18	100	04N9678	0.94
CBBR7243	5.6	0.098	1.38	18	1000	04N9679	6.05
CBBR7244	5.6	0.137	1.38	18	100	04N9680	1.47
CBBR7245	5.6	0.137	1.38	18	1000	04N9681	11.39
CBBR7247	6.3	0.098	1.67	18	100	04N9683	0.92
CBBR7250	7.87	0.098	2.1	18	100	04N9686	1.24

➔ CONTINUED ➔

NYLON CABLE TIES (CONT.)

GENERAL-PURPOSE NYLON CABLE TIES — BLACK

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
CBBR7251	7.87	0.098	2.1	18	1000	04N9687	9.61
CBBR7253	7.99	0.142	2.108	40	100	04N9689	1.72
CBBR7258	11.8	0.142	3.26	40	100	04N9693	2.38
CBBR7259	11.8	0.142	3.26	40	1000	04N9694	21.18
CBBR7262	14.56	0.142	4.24	40	100	04N9697	2.85
CBBR6699	4.72	0.177	1.106	50	100	04N9676	1.60
CBBR7241	4.72	0.177	1.106	50	1000	04N9677	12.46
CBBR7248	7.08	0.189	1.607	50	100	04N9684	1.92
CBBR7249	7.08	0.189	1.607	50	1000	04N9685	17.29
CBBR7255	7.99	0.18	2.108	50	100	04N9690	1.97
CBBR7256	7.99	0.18	2.108	50	1000	04N9691	17.60
CBBR7260	11.8	0.177	3.36	50	100	04N9695	3.06
CBBR7261	11.8	0.177	3.36	50	100	04N9696	25.32
CBBR7264	14.56	0.189	4.24	50	100	04N9698	4.10
CBBR7265	14.69	0.189	4.24	50	1000	04N9699	33.96
CBBR7267	15.75	0.185	4.615	50	100	04N9701	4.31
CBBR7268	19.68	0.185	5.869	50	100	04N9702	5.88
CBBR7246	5.9	0.267	1.48	120	100	04N9682	3.13
CBBR7252	7.87	0.267	2.1	120	100	04N9688	4.35

WEATHER-RESISTANT NYLON CABLE TIES — BLACK

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
CBBR7702	4	0.098	0.86	18	100	04N9703	0.86
CBBR7704	5.6	0.098	1.38	18	100	04N9705	1.22
CBBR7707	6.5	0.098	1.67	18	100	04N9708	2.78
CBBR7708	8	0.098	2.11	18	100	04N9709	1.65
CBBR7705	5.6	0.126	1.38	40	100	04N9706	1.71
CBBR7709	8	0.142	2.11	40	100	04N9710	2.15
CBBR7711	11.5	0.142	3.26	40	100	04N9712	3.53
CBBR7713	14.6	0.142	4.24	40	100	04N9714	4.37
CBBR7703	4.7	0.189	1.11	50	100	04N9704	2.06
CBBR7706	6.3	0.189	1.61	50	100	04N9707	1.62
CBBR7710	7.9	0.18	2.11	50	100	04N9711	3.10
CBBR7712	11.8	0.189	3.36	50	100	04N9713	4.69
CBBR7714	14.6	0.189	4.24	50	100	04N9715	6.22
CBBR7715	15	0.3	4.4	120	100	04N9716	10.41

RELEASABLE NYLON CABLE TIES — NATURAL

These releasable cable ties permit easy release and reuse making them ideal for use where changes are anticipated, such as development, production or servicing in the field.

CBBR7727	4.92	0.3	1.2	50	100	04N9722	5.65
CBBR7728	5.9	0.3	1.48	50	100	04N9723	9.45
CBBR7729	7.97	0.31	2.1	50	100	04N9724	4.73
CBBR7731	11.8	0.31	3.36	50	100	04N9725	12.04

RELEASABLE NYLON CABLE TIES — BLACK

CBBR7722	4.92	0.3	1.2	50	100	04N9717	4.73
CBBR7723	5.9	0.3	1.48	50	100	04N9718	8.40
CBBR7724	7.87	0.31	2.1	50	100	04N9719	12.04
CBBR7725	9.84	0.3	2.73	50	100	04N9720	5.65
CBBR7726	11.8	0.31	3.36	50	100	04N9721	8.40

(115448)

VOLTREX™ BRAND ADHESIVE-BACKED FLAT CABLE TIE HOLDERS

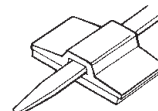


Fig. 1

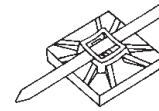


Fig. 2

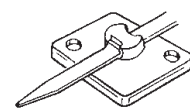


Fig. 3

Sold in package quantities indicated below.

Fig.	L x W	Description	Tensile Strength	Pkg. of	Mfg. Part No.	Stock No.	Price per Pkg.
1	1.03 x 0.68"	2-Way/PVC	18-50 lbs.	100	● VRTH-02	23N3670	36.54
3	1.00 x 1.00"	Swivel Mount	18-50 lbs.	100	● VRTH-04A	37N2110	68.75
2	0.50 x 0.50"	4-Way/Nylon	18-50 lbs.	100	● 2587	92N4802	36.54
2	0.50 x 0.50"	4-Way/Nylon	18-50 lbs.	1000	● 2588	92N4803	276.30
2	0.75 x 0.75"	4-Way/Nylon	18-50 lbs.	100	● VRTH-05A	81N2596	35.10
2	0.75 x 0.75"	4-Way/Nylon	18-50 lbs.	1000	● 8408-1024	16N8736	334.49
2	0.84 x 0.84"	4-Way/PVC	18-50 lbs.	100	● VRTH-10-A	50N4897	20.59

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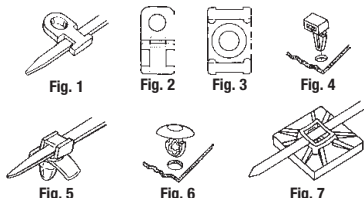
WIRE & CABLE TIES

VOLTREX™ BRAND ADHESIVE-BACKED FLAT CABLE TIE HOLDERS (CONT.)

Fig.	L x W	Description	Tensile Strength	Pkg. of	Mfg. Part No.	Stock No.	Price per Pkg.
							Each
2	0.84 x 0.84"	4-Way/PVC	18-50 lbs.	1000	8413-1034	16N8750	189.32
2	1.00 x 1.00"	4-Way/Nylon	18-50 lbs.	100	● VRTH-07A	81N2598	43.98
2	1.00 x 1.00"	4-Way/Nylon	18-50 lbs.	1000	● 8408-1025	16N8737	419.07
2	1.08 x 1.08"	4-Way/Nylon	18-50 lbs.	100	VRTH-12-SA	50N4898	26.81
2	2.00 x 2.00"	4-Way/Nylon	18-120 lbs.	100	● 2585	92N4800	159.59

(8361)

VOLTREX™ BRAND SCREW MOUNT FLAT CABLE TIE HOLDERS



Material: Nylon. Color: Natural. Sold in packages of 100.

Mfg. Part No.	Fig.	L x W	Description	Tensile Strength	Screw or Panel	Stock No.	Price per Pkg.
							Each
● VRTH-01	1	0.75 x 0.50"	Low-Profile Mount	18-50 lbs.	#8 Screw	23N3669	26.00
● 8409-0362	2	0.40 x 0.80"	Tie Anchor Plate	18-50 lbs.	#8 Screw	16N852	16.55
● 8409-0363	3	0.38 x 0.60"	Std. Tie Anchor	18-50 lbs.	#8 Screw	16N853	17.40
● 8409-0364	3	0.62 x 0.88"	Hvy. Tie Anchor	18-120 lbs.	#10 Screw	16N854	22.14
● 3359	4	0.40 x 0.60"	Pushbutton Mount	18-50 lbs.	0.250" Hole	92N4505	28.60
● VRTH-03	5	0.56 x 0.50"	Winged Push Mount	18-50 lbs.	0.187" Hole	37N2108	28.87
● 2184	6	0.26 x 0.40"	Push Mount	18-50 lbs.	0.250" Hole	92N4504	28.60
● VRTH-05	7	0.75 x 0.75"	4-Way/Nylon	18-50 lbs.	#6 Screw	81N2595	27.56

(6483)

CATAMOUNT® TWIST TAIL™ CABLE TIES



Thomas & Betts

Just Added

- Fast and easy installation — no tools needed
- After installing, remove excess tail with a simple "bend-bend again-twist" motion
- Tail breaks off neat and clean with no sharp edges



Catamount® Twist Tail™ cable ties are ideal for limited-space applications where a cut-off tool can't fit. Its unique, patent-pending design makes excess cable tie tail removal easy. After bundling cable or wire, the excess tail is grasped between installer's thumb and forefinger, then bend it, bend again in the other direction and twisted off. The tail breaks right off, leaving no sharp edges to scratch hands or damage cable. Suitable for any general-purpose cable tie application. Available in white or UV-resistant black Nylon 6.6. UL recognized. Sold in packages of 100.

Mfg. Part No.	Tie Body Length (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Color	Stock No.	Price per Pkg.
							Each
● TT-7-50-9-C	7.7	0.187	1.75	50	White	08P0330	6.85
● TT-7-50-0-C	7.7	0.187	1.75	50	Black	08P0329	7.43
● TT-11-50-9-C	11.7	0.187	3	50	White	08P0326	13.34
● TT-11-50-0-C	11.7	0.187	3	50	Black	08P0325	13.84
● TT-14-50-9-C	14.7	0.187	4	50	White	08P0328	14.85
● TT-14-50-0-C	14.7	0.187	4	50	Black	08P0327	16.04

(133592)

TY-RAP® FASTENERS

Thomas & Betts



Loop Tie

Buckle Tie

Durable nylon fasteners are easy to release and reuse, making them ideal for applications where changes are anticipated or continuous access is required. Ideal for fiber-optics, computer and network wiring and telecom cable. Choose pre-cut fasteners with loop tie end or rigid buckle end. Also available in a continuous hook-and-loop roll; go online or call. Color: black. Sold in package quantities indicated below.

Mfg. Part No.	Description	Max. Bundle Diam. (in.)	Length (in.)	Min. Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
							1-4
F0200-40-0	Loop Ties	2	9	40	10	48F3162	15.44
F0350-40-0	Loop Ties	3.5	13	40	10	48F3164	20.64

➔ CONTINUED ➔

TY-RAP® FASTENERS (CONT.)

Mfg. Part No.	Description	Max. Bundle Diam. (in.)	Length (in.)	Min. Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
							1-4
F0L300-50-0	Buckle Ties	3	12	50	10	48F3166	23.07
F0L-500-50-0	Buckle Ties	5	18	50	10	48F3167	29.63

(39371)

TY-FAST™ CABLE TIES



Thomas & Betts



Standard

Outdoor Weatherable

Nylon 6.6 design lowers installation costs and provides features to ease fastening for harness fabrication and wire bundling in the manufacturing environment. Integrally formed nylon pawl combines low insertion and high locking strength. Rounded, low-profile head reduces number of snags. Tails have 2-sided finger-grip design that helps the operator grasp and pull ties snug. "Sure Grip" tab keeps tail from popping out while being threaded, then holds it securely for final tightening by hand or tool. Quick, easy pull-through increases productivity and reduces operator fatigue. Smooth edges prevent damage to wire insulation, reducing the opportunity for shorting. Color: natural (standard) or black (outdoor weatherable). Temperature range: -40°F to +185°F. Sold in package quantities indicated below.

STANDARD CABLE TIES

Mfg. Part No.	Max. Bundle Diam. (in.)	Tie Body Width (in.)	Length (in.)	Min. Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
							1-4
● TY075-18	0.75	0.095	3.6	18	1000	16F1186	24.14
● TY125-18	1.25	0.095	5.34	18	1000	16F1187	55.48
● TY125-40	1.25	0.14	5.6	40	1000	16F1188	61.63
● TY175-50	1.75	0.184	7.3	50	1000	91F3215	69.79
● TY200-40	2	0.14	8	40	1000	16F1190	62.20
● TY300-40	3	0.140	11.4	40	1000	16F1192	115.99
● TY300-50	3	0.184	11.4	50	1000	16F1193	110.56

OUTDOOR WEATHERABLE CABLE TIES

Mfg. Part No.	Max. Bundle Diam. (in.)	Tie Body Width (in.)	Length (in.)	Min. Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
							1-4
● TY175-50X	1.75	0.184	7.3	50	1000	16F1203	64.54
● TY200-40X	2	0.14	8	40	1000	16F1200	61.57
● TY300-40X	3	0.14	11.4	40	1000	16F1202	156.44
● TY400-50X	4	0.184	14.3	50	1000	16F1205	189.18

(15440)

TY-RAP® CABLE TIES WITH MOUNTING HEADS



Thomas & Betts

Rugged nylon 6.6 cable ties with stainless steel locking device and mounting hole head. Color: natural. Flammability rating: UL 94V-2. UL recognized. Sold in packages of 100.



Mfg. Part No.	Length (in.)	Max. Bundle Diam. (in.)	Screw Size	Min. Unlocking Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
							1-4
● TY533M	4	0.625	4	18	100	31F2722	43.19
● TY34M	6	1.125	8	40	100	31F2661	42.32
● TY535M	7.8	1.75	10	50	100	31F2662	46.89

(6453)

TY-RAP® DETECTABLE CABLE TIES



Thomas & Betts

- Detectable by metal detectors, x-ray equipment and visual detection equipment
- Rated to 1.5mm ferrous sphere
- Nylon 6.6 patent-pending detectable compound
- Oval, low-profile head and smooth molded body strap
- Stainless steel locking device for superior holding power
- Adjustable design for a perfect fit
- Bright blue for easy visual detection

Ty-Rap® detectable cable ties are the perfect alternative to using expensive stainless steel fasteners. Ideal for food and beverage processing, pharmaceutical production, chemical and compounds manufacturing, tobacco processing, tie and airbag manufacturing and any other industry sensitive to contamination using detection equipment. Made from Nylon 6.6 but incorporating a unique, patent-pending compound that's detectable by metal detectors and x-ray equipment. Flammability rating: UL94V-2. Maximum operating temperature: 185°F/85°C. Sold in package quantities indicated in tables below.



Mfg. Part No.	Tie Body Length (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Pkg. of	Stock No.	Price Each
							1-24
● TY523M-NDT	3.62	0.093	0.625	18	100	22M2103	0.24
● TY525M-NDT	7.31	0.185	1.75	50	100	21M5354	0.28
● TY527M-NDT	13.4	0.27	3.5	120	50	22M2104	0.94
● TY528M-NDT	14.2	0.187	4	50	100	22M2105	0.64

(93073)

WIRE & CABLE TIES

TY-RAP® STAINLESS STEEL SELF-LOCKING NYLON 6.6 CABLE TIES



Thomas & Betts



Fig. 1

Fig. 2

Fig. 3

Features:

- Oval, low-profile head and smooth molded body strap
- Stainless steel locking device for superior holding power
- Adjustable design for a perfect fit
- Temperature rating: -40°F to 185°F (-40°C to 85°C)
- Flammability rating: UL94V-2
- Meet MIL Spec. MS3367-5 (Natural and Black only)

Available in:

- Natural Nylon 6.6
- Black, weather- and ultraviolet-resistant Nylon 6.6 for outdoor use
- Colored UV-stabilized Nylon 6.6

Just Added

Fig. 4



Fig. 5

Sold in package quantities indicated in tables below, except *sold as each.

NATURAL TY-RAP® SELF-LOCKING TIES, 18 LBS. TENSILE STRENGTH — FIG. 1

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Pkg. of 100		Mfg. Part No.	Pkg. of 1000	
				Stock No.	Price per Pkg. 1-4		Stock No.	Price per Pkg. 1-4
3.6	0.09	0.63	TY523M	31F2658	20.17	TY23M	31F2654	43.46
7	0.09	1.5	TY52315M	10F8228	26.84	TYB2315M	10F8218	64.45
8	0.09	2	TY5232M	31F2713	28.15	TY232M	31F2650	65.04
14	0.09	4	TY5234M	31F2714	40.99	TY234M	31F2651	83.41

NATURAL TY-RAP® SELF-LOCKING TIES, 40 LBS. TENSILE STRENGTH — FIG. 1

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Pkg. of 100		Mfg. Part No.	Pkg. of 1000	
				Stock No.	Price per Pkg. 1-4		Stock No.	Price per Pkg. 1-4
5.5	0.14	1.13	TY524M	31F2659	23.26	TY24M	31F2524	67.03
8.2	0.14	2	TY5242M	31F2715	34.11	TY242M	31F2652	61.16
11.1	0.14	3	TY526M	31F2716	43.12	TY26M	31F2605	132.71
14.5	0.14	4	TY5244M	31F2717	61.09	TY244M	31F2653	242.53

NATURAL TY-RAP® SELF-LOCKING TIES, 50 LBS. TENSILE STRENGTH — FIG. 1

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Pkg. of 50		Mfg. Part No.	Pkg. of 500	
				Stock No.	Price per Pkg. 1-4		Stock No.	Price per Pkg. 1-4
7.3	0.185	1.75	TY525M	31F2660	29.40	TY25M	31F269	78.63
11.6	0.187	3	TY5253M	10F8229	60.01	TY253M	10F8219	208.42
14.2	0.187	4	TY528M	31F2721	67.62	TY28M	31F2502	193.86

NATURAL TY-RAP® SELF-LOCKING TIES, 120 LBS. TENSILE STRENGTH — FIG. 1

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Pkg. of 50		Mfg. Part No.	Pkg. of 500	
				Stock No.	Price per Pkg. 1-4		Stock No.	Price per Pkg. 1-4
8.75	0.27	2	TY5272M	10F8230	36.30	...	...	...
13.4	0.27	3.5	TY527M	31F2719	50.67	TY27M	31F2501	206.94
18	0.27	5	TY5275M	93F7726	62.51	TY275M	93F7728	303.24
24.3	0.27	7	TY5277M	93F7727	83.09	TY277M	93F7729	254.07
30	0.27	9	TY529M	31F2720	75.37	TY29M	31F2721	418.54

BLACK, WEATHER-RESISTANT TY-RAP® SELF-LOCKING TIES, 18 LBS. TENSILE STRENGTH — FIG. 2

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Pkg. of 100		Mfg. Part No.	Pkg. of 1000	
				Stock No.	Price per Pkg. 1-4		Stock No.	Price per Pkg. 1-4
3.6	0.091	0.63	TY523MX	94F1680	26.42	TY23MX	94F1675	63.90
7	0.091	1.5	TY52315MX	94F2984	22.11	TYB2315MX	46M2524	59.84
8	0.091	2	...	...	...	TY232M-X	50B7995	71.83
14	0.091	4	TY5234MX	88F5440	35.61	TY234MX	46M2525	110.33

BLACK, WEATHER-RESISTANT TY-RAP® SELF-LOCKING TIES, 40 LBS. TENSILE STRENGTH — FIG. 2

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Pkg. of 100		Mfg. Part No.	Pkg. of 1000	
				Stock No.	Price per Pkg. 1-4		Stock No.	Price per Pkg. 1-4
5.5	0.14	1.13	TY524MX	94F1346	18.91	TY24MX	99F3071	69.68
8.2	0.14	2	TY5242MX	94F2985	43.34	TY242MX	94F6329	78.54
11.1	0.14	3	TY526MX	90F6112	38.17	TY26MX	10WX3014	227.05
14.5	0.14	4	TY5244MX	98F7566	50.08	TY244MX	83F2886	280.50

BLACK, WEATHER-RESISTANT TY-RAP® SELF-LOCKING TIES, 50 LBS. TENSILE STRENGTH — FIG. 2

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Pkg. of 50		Mfg. Part No.	Pkg. of 500	
				Stock No.	Price per Pkg. 1-9		Stock No.	Price per Pkg. 1-4
7.3	0.184	1.75	TY525MX	70B878	31.47	TY25MX	98F5905	100.88
11.6	0.184	3	TY5253MX	94F2986	66.08	TY253MX	98F5854	185.13
14.2	0.184	4	TY528MX	94F1682	72.45	TY28MX	98F3601	280.80

BLACK, WEATHER-RESISTANT TY-RAP® SELF-LOCKING TIES, 120 LBS. TENSILE STRENGTH — FIG. 2

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Pkg. of 50		Mfg. Part No.	Pkg. of 500	
				Stock No.	Price per Pkg. 1-9		Stock No.	Price per Pkg. 1-4
8.8	0.27	2	TY5272MX	94F1347	21.43	...	...	...
13.4	0.27	3.5	TY527MX	94F1681	53.58	TY27MX	94F1678	257.13
18	0.27	5	TY5275MX	01F432	47.32	TY275MX	94B6881	330.08
24.3	0.27	7	TY5277MX	88F1571	62.95	...	...	...
30	0.27	9	TY529MX	90F6113	48.15	TY29MX	98F8958	592.03

▶ CONTINUED ▶

TY-RAP® STAINLESS STEEL SELF-LOCKING NYLON 6.6 CABLE TIES (CONT.)

NATURAL TY-RAP® IDENTIFICATION CABLE TIES

Mfg. Part No.	Fig.	Tie Body Length (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Stock No.	Pkg. of	Price per Pkg. 1-4
TY546M	3	7.1	0.184	1.75	50	31F2663	100	92.31
TY51M	4	3.6	0.091	0.625	18	31F2530	500	91.21

COLORED TY-RAP® UV-STABILIZED CABLE TIES — FIG. 5

Ty-Rap® self-locking colored cable ties are available in 9 popular colors and a multi-color assortment. Perfect for where cable fastening is required to match the color of equipment or used for identification purposes. Ideal for outdoor wire and cable bundling, these weather-resistant ties are constructed of UV-stabilized Nylon 6.6 with stainless steel locking device. Mfg. part no. TY525M-CLRS multi-color assortment contains 100 cable ties in black, brown, red, orange, yellow, green, blue, purple, gray and white (10 of each color). UL listed, CSA certified. Sold in package quantities indicated in table below.

Mfg. Part No.	Color	Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Stock No.	Pkg. of	Price per Pkg. 1-4
TY525M-CLRS	Multi-color	7.31	0.184	1.75	50	52M2227	100	15.33
TY25M-1	Brown	7.31	0.184	1.75	50	08P0331	1000	89.82
TY25M-2	Red	7.31	0.184	1.75	50	90B5264	1000	80.69
TY25M-3	Orange	7.31	0.184	1.75	50	08P0332	1000	89.82
TY25M-4	Yellow	7.31	0.184	1.75	50	88F4863	1000	89.82
TY25M-5	Green	7.31	0.184	1.75	50	08P0333	1000	89.82
TY25M-6	Blue	7.31	0.184	1.75	50	08P0334	1000	89.82
TY25M-7	Purple	7.31	0.184	1.75	50	08P0335	1000	89.82
TY25M-8	Gray	7.31	0.184	1.75	50	08P0336	1000	89.82
TY25M-9	White	7.31	0.184	1.75	50	08P0337	1000	81.50

(6452)

TY-RAP® EXTRA HIGH-TEMPERATURE CABLE TIES



Thomas & Betts

Just Added

- High-temperature, heat-stabilizing Nylon 4.6
- Oval, low-profile head and smooth molded body strap
- Stainless steel locking device for superior holding power
- Unlimited tensioning range for a perfect fit
- Light green color

Ty-Rap® extra high-temperature cable ties are designed to withstand extended usage in extra high-temperature environments. Made tough for industrial OEM and MRO and commercial construction applications. Flammability rating: UL94V-2. Temperature rating: -40°F/-40°C to 302°F/150°C. Sold in package quantities indicated in tables below.

Mfg. Part No.	Tie Body Length (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Pkg. of	Stock No.	Price Each 1-24
TYHT23M	3.62	0.093	0.625	18	1000	48K5630	1.48
TYHT25M	7.31	0.185	1.75	50	1000	48K5631	1.53
TYHT27M*	13.4	0.27	3.5	120	500	13N4077	1654.45
TYHT28M	14.2	0.184	3.5	50	1000	48K5633	4.47

*Price per Pkg. (93067)

TY-RAP TOTE® CABLE TIE DISPENSERS



Thomas & Betts

- No more dropped or lost cable ties!
- Easy, one-handed access to cable ties
- Rugged polyester-and-vinyl construction
- Conveniently clips to belt or tool pouch
- Bright blue color for high visibility

Ty-Rap Tote® cable tie dispenser feature openings for easy access to cable ties. Handy belt clip and chrome steel loop for easy attachment. Secure flap closure keeps cable ties neat and at hand. Choice of 3 sizes to hold 4", 8" or 11" to 14" combination length cable ties. Each Ty-Rap Tote® includes 100 Ty-Rap® standard nylon cable ties.



TY-TOTE-23 for 4" Ties



TY-TOTE-25 for 8" Ties

Mfg. Part No.	Description	Stock No.	Price Each 1-9
TY-TOTE-23	Ty-Rap Tote® Cable Tie Dispenser for 4" Long Ties	48K5629	17.35
TY-TOTE-25	Ty-Rap Tote® Cable Tie Dispenser for 8" Long Ties	99H3087	22.99
TY-TOTE-28	Ty-Rap Tote® Cable Tie Dispenser for 11"-14" Long Ties	67K9575	49.22

(93074)

Designing a power supply?

See our huge selection of bench & module voltage regulators in this catalog and online.

WIRE & CABLE TIES • WIRE & CABLE TIES TOOLS

MOUNTING ACCESSORIES



Thomas®Betts



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Sold in package quantities indicated below.

Mfg. Part No.	Fig.	Description	Pkg. of	Stock No.	Price per Pkg.
● TC5342A	1	2-Way Adhesive-Backed Mount Base For Use with Ty-Rap® Cable Ties 0.190" Max. Width	100	10F8223	109.39
● TC342A			1000	31F2613	387.51
● TC5347A	2	4-Way Adhesive-Backed or Screw Mount Base For Use with Ty-Rap® Cable Ties 0.190" Max. Width and 0.301" Max. Width for Diagonal 2-Way Entry	100	10F8226	105.04
● TC347A			1000	10F8227	353.60
● TC5823	3	0.250" Push-in Mount Base	100	10F8225	53.94
● LPM-9-M	4	Low Profile Mount Base for Use with Cable Ties up to 50 lbs. Tensile Strength (Miniature through Standard)	1000	48F3174	74.43
● SMNY-001-0-D	5	Screw Mount Base for Use with Cable Ties up to 50 lbs. Tensile Strength	500	48F3179	46.42
● SMNY-001-9-D				48F3177	39.48
● MCNY-1250-9-D	6	Mounting Cradle Base for Use with Cable Ties (Miniature through Standard)	500	48F3181	172.69

(6454)

DATACOM CABLE TIE GUN

- Die-cast steel construction for durability and long life
- Provides a flush cut with each use for neat, professional installations
- Tension adjustment allows use on miniature, intermediate, standard and heavy-duty cable ties



Xcelite®

Mfg. Part No.	Description	Stock No.	Price Each
DCT300V	Datacom Cable Tie Gun	73C3406	44.69

(88483)

CABLE TIE TOOLS — TOOL CONTROLLED TENSION AND CUT-OFF

Just Added



GTS



GTSL



GTH

- Provide flush cut-off of cable tie, which limits exposure to sharp edges
- Tool controlled tension and cut-off provides consistent results and speeds installation to lower installed cost

Mfg. Part No.	Description	Construction	Stock No.	Price Each
GTS	Installs Subminiature, Miniature, Intermediate and Standard Cross Section Cable Ties	Ergonomic Design, Gray Impact-Resistant Resin Housing, Narrow Nose and Cushion Handle with Black Selector Knob and Trigger Handle	98B5644	186.59
● GTS*	Installs Subminiature, Miniature, Intermediate and Standard Cross Section Cable Ties	Ergonomic Design, Gray Impact-Resistant Resin Housing, Narrow Nose and Cushion Handle with Maroon Selector Knob and Trigger Handle	19K9830	176.03
GTH	Installs Standard, Heavy-Standard, Light-Heavy and Heavy Cross Section Cable Ties	Ergonomic Design, Gray Impact-Resistant Resin Housing, Narrow Nose and Cushion Handle with Red Selector Knob and Trigger Handle	49H4343	346.67

▶ CONTINUED ▶

CABLE TIE TOOLS — TOOL CONTROLLED TENSION AND CUT-OFF (CONT.)

Mfg. Part No.	Description	Construction	Stock No.	Price Each
GS2B	Installs Miniature, Intermediate and Standard Cross Section Cable Ties	Metal Housing with Durable Gray Powder-Coat Finish, Black Selector Knob and Trigger Handle	78F547	236.47
GS4H	Installs Standard, Heavy-Standard, Light-Heavy and Heavy Cross Section Cable Ties	Metal Housing with Durable Gray Powder-Coat Finish, Red Selector Knob and Trigger Handle	78F566	405.21

*Ergonomic design with shorter handle for users with smaller hands (6422)

INSTALLATION TOOLS



ST2MT



GS4MT

For standard, light-heavy and heavy cross-section PAN-STEEL™ stainless steel ties, ordered separately on page 1265. When installing over resilient objects **mfg. part no. GS4MT** automatically tensions and cuts off tie flush when predetermined tension is reached. **Mfg. part no. ST2MT** enables the installer to control tension, twist and cut off. More Panduit cable tie installation tools available on this page.

Mfg. Part No.	Description	Stock No.	Price Each
GS4MT	Cable Tie Installation Tool	94F3097	787.53
ST2MT	Cable Tie Installation Tool	94F3151	335.66

(6457)

CABLE TIE TOOLS — INSTALLER-CONTROLLED TENSION AND CUT-OFF



Just Added



STS2



STH2



ST3EH

- Economical tools for maintenance or construction applications
- Operator-controlled tension and cut-off
- Reduce tension slightly, twist tool ¼ turn in either direction to cut off excess cable tie

Inexpensive, maintenance-free, all-purpose tools for low-volume applications. Ergonomic handle design and short handle span. Top-loading feature for right or left-handed users. Ideal for use with the full line of Panduit® cable ties.

Mfg. Part No.	Description	Construction	Stock No.	Price Each
STS2	Installs Miniature, Intermediate and Standard Cross Section Cable Ties	Durable Black Housing and Handle	81F4588	29.03
STH2	Installs Standard, Heavy-Standard, Light-Heavy and Heavy Cross Section Cable Ties	Durable Red Housing and Black Handle	81F4589	39.64
● ST3EH	Installs Light-Heavy, Heavy and Extra-Heavy Cross Section Cable Ties	Durable Black Steel Housing with Comfortable Blue Plastic Handles	04M0096	88.38

(83945)

PAN-WRAP™ SPLIT HARNESS WRAP AND APPLICATION TOOLS



- Unique engineered slot pattern
- Provides for easy wire or cable breakouts
- One size accommodates a wide range of bundle diameters



Pan-Wrap™ application tools feature a 180° opening; order separately below.

Mfg. Part No.	Nom. Bundle Dia. (in.)	Min. Bundle Diameter† (in.)	Max. Bundle Diameter (in.)	Reel of (ft.)	Stock No.	Price per Reel
● PW50F-T	0.50	0.43	0.55	200	66H3687	264.40
● PW75F-C	0.75	0.55	0.81	100	66H3688	221.88

▶ CONTINUED ▶

WIRE & CABLE TIES TOOLS • WIRE IDENTIFICATION & MARKING SYSTEMS

PAN-WRAP™ SPLIT HARNESS WRAP AND APPLICATION TOOLS (CONT.)

Mfg. Part No.	Nom. Bundle Dia. (in.)	Min. Bundle Diameter† (in.)	Max. Bundle Diameter (in.)	Reel of (ft.)	Stock No.	Price per Reel
● PW50F-T20	0.50	0.43	0.55	200	03H3282	290.41
● PW75FC20	0.75	0.55	0.81	100	57H7136	205.89

†Diameter can be further reduced with the use of cable ties

APPLICATION TOOLS

Mfg. Part No.	Color	For Use With	Stock No.	Price Each
● PWT50	White	Mfg. Part No. PW50F Pan-Wrap™	04H0467	9.39
● PWT75	White	Mfg. Part No. PW75F Pan-Wrap™	32H7230	9.82

(79576)

VOLTREX™ BRAND CABLE TIE INSTALLATION TOOLS



Mfg. Part No. 8506T-001 Heavy Duty Cable Tie Tool Features:

- Automatic Tighten and Trim Flushing
- Adjustable Tension Settings
- Trigger Which Deposits Waste When Released
- Tie Accommodation of 18 to 50lb.
- Yellow Color
- Rugged Construction of Lightweight Polycarbonate
- High-Impact ABS Plastic Construction
- Squeeze to Tension, Twist to Cut
- Tie Accommodation of 18- to 50lb.



8506T-001

Mfg. Part No. 8510-50 Pocket-Size Wire Tie Tool Features:

- Automatic Tighten and Trim Flushing
- Adjustable Tension Settings
- Trigger Which Deposits Waste When Released
- Tie Accommodation of 18 to 50lb.
- Yellow Color
- Rugged Construction of Lightweight Polycarbonate



8510-50

Mfg. Part No. SPC5299 Economy Cable Tie Tool Features:

- High-Impact ABS Plastic Construction
- Squeeze to Tension, Twist to Cut
- Tie Accommodation of 18- to 50lb.
- Left- or Right-Hand Operation
- Tie Accommodation of 0.35" to 0.50" Wide and 0.080" Thick
- Tension Adjustment
- Suited For Spot-Tying Applications
- Lightweight All-Metal Construction with Blue Enamel Finish



SPC5299

Mfg. Part No.	Description	Stock No.	Price Each
● 8510-50	Pocket-Size Tool	84N1533	34.83
SPC5299	Economy Tool	50N230	29.86
8506T-001	Heavy-Duty Tool	50N9502	222.27

(6477)

TY-RAP® CABLE TIE INSTALLATION TOOLS AND MARKING PEN



Thomas & Betts



ERG50



WT193A



WT2

Ty-Rap® ergonomic-designed cable tie installation tools reduce user stress and strain. 360° rotating nose enables operation from any position. Front-access tension-adjustment wheel permits fast, easy changes. Feature an automatic cutting mechanism and orange and black comfort-grip handle. **Mfg. part no. ERG50** tool installs nylon cable ties 18-50 lbs. tension, 0.094-0.184" wide. **Mfg. part no. ERG120** tool installs nylon cable ties 50-120 lbs. tension, 0.184-0.301" wide.

Mfg. Part No.	Description	Stock No.	Price Each
ERG50	Ty-Rap® Ergonomic Cable Tie Tool, 18-50 lbs. Tension	22M0151	180.05
ERG120	Ty-Rap® Ergonomic Cable Tie Tool, 50-120 lbs. Tension	22M0150	390.86

Mfg. part no. WT193A Ty-Rap® heavy-duty metallic cable tie installation tool for nylon cable ties 18-50 lbs. tension, 0.094-0.184" wide. Features adjustable tension setting and automatic cutting once desired tension has been reached. Tool size: 7.17"L x 5.31"W.

Mfg. Part No.	Description	Stock No.	Price Each
WT193A	Ty-Rap® Heavy-Duty Metallic Cable Tie Tool, 18-50 lbs. Tension	31F2657	215.59

These Ty-Rap® lightweight basic tensioning tools (twist-and-cut) are intended for maintenance and small batch use. Features manual cutting mechanism. Tool size: 5.28"L x 2.17"W. **Mfg. part no. WT2-TB** tool installs cable ties 50-120 lbs. tension, 0.184-0.301" tie wide. **Mfg. part no. WT1-TB** tool installs nylon cable ties 18-50 lbs. tension, 0.094-0.184" wide.

➤ CONTINUED ➤

TY-RAP® CABLE TIE INSTALLATION TOOLS AND MARKING PEN (CONT.)

Mfg. Part No.	Description	Stock No.	Price Each
WT1-TB	Ty-Rap® Lightweight Cable Tie Tool, 18-50 lbs. Tension, Orange	31F2639	33.91
WT2-TB	Ty-Rap® Lightweight Cable Tie Tool, 50-120 lbs. Tension, Black	34F1256	46.24

Mfg. part no. WT163M-1 nylon marking pen permanently mark Ty-Rap® cable ties, straps and other nylon items.

Mfg. Part No.	Description	Stock No.	Price Each
● WT163M-1	Black Marking Pen	31F2507	13.41

(6455)

SDR SERIES SCOTCHCODE™ WIRE MARKER TAPE REFILLS FOR WIRE MARKER TAPE DISPENSER



ScotchCode™ SDR wire marking tape is a polyester film tape with an acrylic pressure-sensitive adhesive used in the 3M™ STD Scotch-Code™ tape dispenser; order separately on page 1274. From the STD dispenser, the user can pull out and tear off the amount of tape needed for their particular application such as marking wires, terminal blocks, and panels. Tape rolls available in consecutive 0-9 number combination, multiple colors, and in individual numbers and individual colors listed in table below. Alphabet also available; for example, to order "A" use **mfg. part no. SDR-A**. Each roll is 0.215"W x 8'.



SDR-MC

10-ROLL PACKS

Mfg. Part No.	Description	Stock No.	Price per Pkg.
● SDR-0-9*	0-9 Consecutive — One Number Per Roll	46M2506	29.42
● SDR-MC*	Multicolor — One Roll of Each of the 10 Colors Below	61M4639	29.42

*Sold in packages of 10 rolls

SINGLE ROLLS

Mfg. Part No.	Description	Stock No.	Price per Roll
● SDR-0	0	44F3234	3.14
● SDR-1	1	44F3235	3.14
● SDR-2	2	44F3236	3.14
● SDR-3	3	44F3237	3.14
● SDR-4	4	44F3238	3.14
● SDR-5	5	44F3239	3.14
● SDR-6	6	44F3240	3.14
● SDR-7	7	44F3241	3.14
● SDR-8	8	44F3242	3.14
● SDR-9	9	44F3243	3.14
● SDR-BK	Black	44F3244	3.14
● SDR-BL	Blue	44F3245	3.14
● SDR-BN	Brown	44F3246	3.14
● SDR-GN	Green	44F3247	3.14
● SDR-GY	Gray	44F3248	3.14
● SDR-OR	Orange	44F3249	3.14
● SDR-RD	Red	44F3250	3.14
● SDR-VL	Violet	44F3251	3.14
● SDR-WH	White	95F9665	3.14
● SDR-YL	Yellow	95F9666	3.14
● SDR-A	A	95C2336	3.14
● SDR-B	B	95C2337	3.14
● SDR-C	C	95C2338	3.14

(6421)

SCOTCHCODE™ WRITE-ON WIRE MARKER TAPE DISPENSERS AND MARKING PENS



Flexible, compact system for marking wire and cable is easy to use. Lightweight, durable dispenser provides a flat, stable writing surface. **Mfg. part no. SWD** regular, write-on tape dispenser contains 250 die-cut markers on a roll, transparent, pressure-sensitive vinyl tape and one **mfg. part no. SMP** black ink marking pen. **Mfg. part no. SLW** large, write-on tape dispenser with 1x3/4" writing area contains 70 die-cut markers on a roll, transparent, pressure-sensitive vinyl tape and one **mfg. part no. SMP** black ink marking pen. Order refill tape rolls and additional marking pens separately below.



SWD, SLW

Mfg. Part No.	Description	Stock No.	Price Each
● SWD	Regular Dispenser with Black Marking Pen	87F735	34.96
● SLW	Large Dispenser with Black Marking Pen	87F737	40.78
● SWD-R	Refill Tape Roll for Mfg. Part No. SWD	87F736	27.02
● SLW-R	Refill Tape Roll for Mfg. Part No. SLW	96F4522	31.47
● SMP-B	Marking Pen, Permanent Black Ink	87F738	6.52

(6418)

WIRE IDENTIFICATION & MARKING SYSTEMS

STD SERIES SCOTCHCODE™ WIRE MARKER TAPE AND DISPENSER



STD-0-9



STD-0-9 W/ FREE STD-C PROMO

Compact, refillable 10-roll tape dispenser filled with number or color-code tape needed for marking wire, cable, tubing, terminal blocks and panels. User can pull-out and tear-off the exact amount of tape needed from the dispenser for their particular application. Features polyester film wire marking tape with acrylic pressure-sensitive adhesive. Tape rolls are 0.215" wide, 8 ft. long. Special end loop for hooking dispenser to a belt or tool pouch. Order replacement rolls of SDR series Scotchcode™ wire marker tape separately on page 1273.

10-ROLL DISPENSER WITH NUMBERED TAPE

Includes one roll each of numbers 0 through 9 consecutive, one number per roll. Six characters per inch of tape.

Mfg. Part No.	Description	Stock No.	Price Each
● STD-0-9	Dispenser Filled with 10 Rolls of NUMBERED Tape (One each of 0-9)	44F3232	44.29

10-ROLL DISPENSER WITH COLORED TAPE

Includes one roll of each of the following colors: black, blue, brown, gray, green, orange, red, violet, white, yellow.

● STD-C	Dispenser Filled with 10 Rolls of COLORED Tape	44F3233	44.29
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EMPTY WIRE MARKER TAPE DISPENSER

● STD	Wire Marker Tape Dispenser Only (Tape Not Included)	95F6311	14.56
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STD-0-9 TAPE DISPENSER WITH FREE STD-C COLORED FILLED DISPENSER

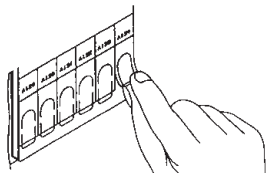
Mfg. Part No.	Description	Stock No.	Price Each
● STD-0-9 W/ FREE STD-C PROMO†	STD-0-9 Dispenser Filled with 10 Rolls of NUMBERED Tape (One each of 0-9) and Receive STD-C Dispenser Filled with 10 Rolls of COLORED Tape FREE	12K5483	41.79

†Special offer: FREE STD-C in 4 ft. trial length rolls while quantities last (one each of black, blue, brown, gray, green, orange, red, violet, white, yellow)
(6420)

SWB SERIES SCOTCHCODE™ WRITE-ON WIRE MARKER BOOKS



Write-on wire markers for use with most types of permanent ink pens. Ideal for marking wire and cable with an outer diameter of 0.16 to 1.55". Features self-laminating protective shield over legend to provide maximum protection against most environments. Can be applied or removed without touching the adhesive, keeping contamination of the adhesive to a minimum.



Mfg. Part No.	Mrks./Pkg.	Write Area W x H	Size W x L	Wire Dia.	Stock No.	Price Each
● SWB-1	180	0.50 x 0.50"	0.5 x 1.5"	0.16-0.31"	95F6271	22.99
● SWB-2	120	0.75 x 0.75"	0.75 x 1.75"	0.24-0.31"	95F6272	22.99
● SWB-3	60	1.0 x 1.0"	1.0 x 2.85"	0.32-0.58"	95F6273	22.99

(6399)

SPB SERIES SCOTCHCODE™ PREPRINTED WIRE MARKER BOOKS



SPB series preprinted wire markers are ideal for marking electrical wires and terminal strips to maximum diameter of 0.47". Also used to mark load centers and alarm systems. Made of vinyl-impregnated cloth with a top coat and a natural rubber adhesive. Black characters printed on white background. Size: 1.37" (34.79) x 0.22" (5.58), with a 0.22" (5.58) x 0.22" (5.58) terminal marker.



Mfg. Part No.	Description	Stock No.	Price Each
● SPB-01	45 Each 0-9; 15 Each L1, L2, L3, T1, T2, T3	95F6275	17.68
● SPB-02	10 Each A-Z; 0-15, +, -, /	95F6276	17.68
● SPB-03	10 Each 1-45	95F6277	17.68
● SPB-14	10 Each 46-90	95C2341	17.68
● SPB-08	6 Each 1-15; 4 Each 16-90; 2 Each A-Z, +, -, 1, 0	95C2339	17.68
● SPB-12	15 Each A-Z, 8 (+), 7 (-), 21 blank	95C2340	17.68

(6400)

B-593 SERIES RAISED PANEL LABELS

- Perfect alternative to engraved plated!
- Smooth polyester is foam-backed for a raised effect
- Permanent acrylic adhesive for strong holding power
- Professional, thermal transfer print quality



B-593 series raised panel labels provide the quality and durability needed to create customized legend plates with less time, cost and hassle than engraved metal plates. Designed for control, instrument and patch panel identification in identifying external pushbuttons, switches, and internal connection points. Great for motor controls, signal lights, production line applications and trophy plates. Also used as rating and serial plates using alphanumeric characters that require name plate quality. To produce thermal transfer print quality for crisp, clear legends use mfg. part no. BPT300 Tagus™ thermal transfer printer; ordered separately on page 1277. Can also be handwritten on. Other sizes, colors and a protective overlaminated material available; go online or call. Sold in rolls of 500 labels.

Mfg. Part No.	Color	Label Size (in.) Width Height	Printable Area (in.) Width Height	Stock No.	Price per Roll
THTEP-171-593-.5	White	1.06 0.49	1.06 0.49	10M0510	149.88
THTEP-173-593-.5	White	2.00 1.00	2.00 1.00	10M0522	165.48
THTEP-176-593-.5	White	3.00 1.00	3.00 1.00	10M0538	341.73
THTEP-177-593-.5	White	3.00 2.50	3.00 2.50	10M0542	466.44
THTEP-178-593-.5	White	3.00 3.50	3.00 3.50	10M0546	537.74

(94356)

IDXPRT™ HAND-HELD LABELER KITS AND ACCESSORIES



Keyboard Layout



ABC Layout



General Identification



Electrical Panel Identification



Patch Panel Identification

- Produces 300 dpi thermal transfer printing that stays crisp and bright
- Creates a wide variety of labels: self-lams, sleeves, continuous tapes and more
- Choose from assorted label materials up to 1.5" wide
- Prints characters up to 1.25"
- 82 built-in symbols plus barcodes
- Quick-loading "Smart Cartridge" auto-senses label type and size
- Intuitive user interface for easy access to complex functions
- Memory stores frequently used set-ups
- Larger, more informative display
- Ergonomic design fits comfortably in hand

IDXPRT™ portable, hand-held labelers offer two printer keyboard layouts with identical functionality and supplies. Delivers edge-to-edge label printing to reduce materials expenses. Tough, drop-tested construction and easy-to-see bright yellow color make these labelers ideal for the field. Quick-loading label cartridges make switching jobs really fast. Choose from several label materials in a variety of sizes and colors; ordered separately from table below. Perfect for a variety of applications including wire and cable marking, terminal block marking, patch panel, outlet and faceplate marking, electrical component marking and for racks, data centers, labs and general industrial identification.

IDXPRT™ LABELER KITS

IDXPRT™ labeler kits include hardcase carrying case, serial communications cable for upgrades only, one 1.5" x 30' continuous tape label cartridge and product CD-ROM.

Mfg. Part No.	Description	Stock No.	Price Each
XPRT-KEY	IDXPRT(tm) Hand-Held Labeler Kit, Keyboard Layout	11J6151	414.35
XPRT-ABC	IDXPRT(tm) Hand-Held Labeler Kit, ABC Layout	11J6150	414.35

ACCESSORIES

XPRT-AC	AC Adapter (for ABC or KEY Printers)	12J5019	95.82
XPRT-ACUK	AC Adapter, United Kingdom	57J1477	95.82
XPRT-ACEUR	AC Adapter, European	57J1476	95.82
XPRT-HC-KEY	Spare Hard Case for Keyboard Layout Printer	57J1478	77.70
XPRT-HC-ABC	Spare Hard Case for ABC Layout Printer	12J5026	77.70
PCABLE-1	PC Cable for Upgrades Only (for ABC or KEY)	57J1418	18.62
PKC-4**	Thermal Transfer Printer Cleaning Kit	57J4988	22.40

PERMASLEEVE™ WIRE AND CABLE LABELS, HEAT-SHRINK POLYOLEFIN

Mfg. Part No.	Color	W x L (in.)†	Labels Per Cartridge	Stock No.	Price Each
XPS-125-1	Black on White	1.015 x 0.235	100	57J1481	70.90
XPS-187-1	Black on White	1.015 x 0.335	100	57J1484	77.83
XPS-250-1	Black on White	1.015 x 0.439	100	57J1487	93.40
XPS-375-1	Black on White	1.015 x 0.645	100	57J1489	134.96

➤ CONTINUED ➤

WIRE IDENTIFICATION & MARKING SYSTEMS

IDXPRT™ HAND-HELD LABELER KITS AND ACCESSORIES (CONT.)

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
XPS-125-CONT	Black on White	12 ft Continuous	...	57J1479	61.52
XPS-125-CONT-YL-BK	Black on Yellow	12 ft Continuous*	...	57J1480	61.52
XPS-187-CONT	Black on White	12 ft Continuous*	...	57J1482	67.57
XPS-187-CONT-YL-BK	Black on Yellow	12 ft Continuous*	...	57J1483	67.57
XPS-250-CONT	Black on White	8 ft Continuous*	...	57J1485	74.37
XPS-250-CONT-YL-BK	Black on Yellow	8 ft Continuous*	...	57J1486	74.37
XPS-375-CONT	Black on White	8 ft Continuous*	...	57J1488	109.00

WIRE AND CABLE LABELS, SELF-LAMINATING VINYL

XSL-11-427	Black on White	0.50 x 0.75 x 0.37	500	57J1492	65.39
● XSL-96-427	Black on White	1.00 x 0.75 x 0.37	250	77M8278	46.66
● XSL-17-427	Black on White	0.50 x 1.00 x 0.37	500	77M8028	76.30
● XSL-18-427	Black on White	0.75 x 1.00 x 0.37	250	55M6285	53.59
● XSL-19-427	Black on White	1.00 x 1.00 x 0.37	250	77M8029	60.51
XSL-103-427	Black on White	1.00 x 1.25 x 0.50	250	57J1491	69.19
● XSL-30-427	Black on White	0.75 x 1.50 x 0.50	250	57J1503	58.78
XSL-31-427	Black on White	1.00 x 1.50 x 0.50	250	57J1504	72.64
● XSL-21-427	Black on White	1.00 x 2.50 x 0.75	100	57J1498	48.39
● XSL-21-427-YL-BK	Black on Yellow	1.00 x 2.50 x 0.75	100	57J1499	38.76
XSL-116-427	Black on White	1.50 x 2.50 x 0.75	100	57J1494	48.39
● XSL-34-427	Black on White	1.50 x 6.00 x 1.50	50	57J1508	45.02

ADHESIVE WRAPAROUND WIRE AND CABLE LABELS, VINYL CLOTH

● X-7-498	Black on White	0.50 x 0.50	300	57J1438	57.05
● X-11-498	Black on White	0.50 x 0.75	275	57J1421	57.16
● X-18-498	Black on White	0.75 x 1.00	225	57J1426	58.78
● X-19-498	Black on White	1.00 x 1.00	200	57J1428	50.33
● X-103-498	Black on White	1.00 x 1.25	200	57J1420	51.46

TERMINAL BLOCK LABELS, VINYL CLOTH

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
● XC-240-498	Black on White	0.240 x 20' Continuous*	...	57J1463	70.90
● XC-318-498	Black on White	0.318 x 20' Continuous*	...	57J1464	72.64
● XC-375-498	Black on White	0.375 x 20' Continuous*	...	57J1466	74.37

INDOOR/OUTDOOR GRADE FACILITY AND SAFETY LABELS, VINYL

● XC-500-580-BL-WT	White on Blue	0.50 x 30' Continuous*	...	57J1468	60.51
XC-500-580-CL-BK	Black on Clear	0.50 x 30' Continuous*	...	57J1469	50.42
XC-500-580-GN-WT	White on Green	0.50 x 30' Continuous*	...	57J1470	60.51
XC-500-580-OR-BK	Black on Orange	0.50 x 30' Continuous*	...	57J1471	60.51
XC-500-580-RD-WT	White on Red	0.50 x 30' Continuous*	...	57J1472	60.51
● XC-500-580-WT-BK	Black on White	0.50 x 30' Continuous*	...	57J1473	60.51
● XC-500-580-WT-RD	Red on White	0.50 x 30' Continuous*	...	57J1474	60.51
● XC-500-580-YL-BK	Black on Yellow	0.50 x 30' Continuous*	...	57J1475	60.51
● XC-1000-580-BL-WT	White on Blue	1.00 x 30' Continuous*	...	57J1447	76.10
XC-1000-580-CL-BK	Black on Clear	1.00 x 30' Continuous*	...	57J1448	63.42
XC-1000-580-GN-WT	White on Green	1.00 x 30' Continuous*	...	57J1449	76.10
XC-1000-580-OR-BK	Black on Orange	1.00 x 30' Continuous*	...	57J1450	76.10
XC-1000-580-RD-WT	White on Red	1.00 x 30' Continuous*	...	57J1451	76.10
● XC-1000-580-WT-BK	Black on White	1.00 x 30' Continuous*	...	57J1452	76.10
● XC-1000-580-WT-RD	Red on White	1.00 x 30' Continuous*	...	57J1453	76.10
● XC-1000-580-YL-BK	Black on Yellow	1.00 x 30' Continuous*	...	57J1454	76.10

➤ CONTINUED ➤

IDXPRT™ HAND-HELD LABELER KITS AND ACCESSORIES (CONT.)

INDOOR/OUTDOOR GRADE FACILITY AND SAFETY LABELS, VINYL

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
● XC-1500-580-BL-WT	White on Blue	1.50 x 30' Continuous*	...	57J1455	89.95
XC-1500-580-CL-BK	Black on Clear	1.50 x 30' Continuous*	...	57J1456	74.96
XC-1500-580-GN-WT	White on Green	1.50 x 30' Continuous*	...	57J1457	89.95
XC-1500-580-OR-BK	Black on Orange	1.50 x 30' Continuous*	...	57J1458	89.95
XC-1500-580-RD-WT	White on Red	1.50 x 30' Continuous*	...	57J1459	89.95
● XC-1500-580-WT-RD	Red on White	1.50 x 30' Continuous*	...	57J1461	89.95
● XC-1500-580-YL-BK	Black on Yellow	1.50 x 30' Continuous*	...	57J1462	89.95

LAB VIAL AND TUBE LABELS, POLYESTER

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
● X-97-488	Black on White	0.90 x 0.90	350	57J1443	72.15
● X-81-488	Black on White	2.00 x .025	250	57J1439	48.09

LAB VIAL AND TUBE LABELS, SELF-LAMINATING VINYL

● XSL-75-461	Black on White	1.00 x 2.60 x 1.00	100	57J1510	64.50
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LAB VIAL AND TUBE LABELS, NYLON CLOTH

● X-82-499	Black on White	0.375 Dia.	300	57J1440	49.79
● X-83-499	Black on White	0.500 Dia.	300	57J1441	49.79
● X-11-499	Black on White	0.75 x 0.50	275	57J1422	45.02
● X-84-499	Black on White	0.90 x 0.50	250	57J1442	46.64
● X-98-499	Black on White	1.00 x 0.375 x 0.375	350	57J1444	65.39

BINS, STORAGE AND GENERAL INDUSTRIAL ID LABELS, GLOSS POLYESTER

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
● X-17-422	Black on White	1.00 x 0.50	500	57J1423	71.61
● X-19-422	Black on White	1.00 x 1.00	250	57J1427	60.51
● X-29-422	Black on White	1.50 x 0.50	500	57J1432	79.41
● X-30-422	Black on White	1.50 x 0.75	250	57J1434	74.37
● XC-375-422	Black on White	0.375 x 30' Continuous*	...	57J1465	74.37
● XC-500-422	Black on White	0.50 x 30' Continuous*	...	57J1467	76.10
● XC-1000-422	Black on White	1.00 x 30' Continuous*	...	57J1445	86.47

BINS, STORAGE AND GENERAL INDUSTRIAL ID LABELS, METALLIZED POLYESTER

● X-17-428-SV-BK	Black on Silver	1.00 x 0.50	450	57J1424	86.47
● X-24-428-SVBB-BK	Black on Silver	1.13 x 0.50	450	57J1431	76.10
● X-29-428-SV-BK	Black on Silver	1.50 x 0.50	450	57J1433	98.59
● X-20-428-SV-BK	Black on Silver	2.00 x 1.00	100	57J1429	55.32

BINS, STORAGE AND GENERAL INDUSTRIAL ID LABELS, ULTRA-AGGRESSIVE POLYESTER

● X-17-483	Black on White	1.00 x 0.50	500	57J1425	76.30
● X-61-483	Black on White	2.00 x 0.50	100	57J1435	38.02
● X-20-483	Black on White	2.00 x 1.00	100	57J1430	48.39
● X-63-483	Black on White	8.00 x 0.75	50	57J1437	48.32

*Cut-to-length continuous tape; †Dimensions are in inches unless otherwise noted
 **Price per Pkg. of 50 (83001)

TLS2200 THERMAL LABELING SYSTEM



Lightweight, hand-held thermal transfer printer prints labels up to 2" wide. Ideal for printing labels for wire markers, patch panels, circuit boards, and much more. Handles bar coding and multiple material configurations. Custom True Type font. Adjustable for 6 different label widths. Maximum print width: 1.81". 2-line LCD, 16 characters wide. Prints up to 500 labels per battery charge. 203 dpi thermal transfer print mechanism. FCC Class A approved. Includes ribbon, battery pack, charger, test labels, cleaning card, manual, and hard case.



Mfg. Part No.	Description	Stock No.	Price Each
● TLS2200	Thermal Labeling System	48F5375	882.45
● R4310	Black Ribbon	48F5380	39.32
● R6010	Black Ribbon	48F5381	39.32

(39395)

WIRE IDENTIFICATION & MARKING SYSTEMS

TLS PC LINK™ THERMAL LABELING SYSTEM



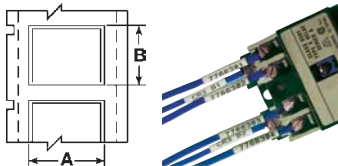
TLS PC Link™ thermal labeling system offers a rugged, small and lightweight desktop/portable solution. Provides capabilities such as thermal transfer printing, bar coding, and multiple material configurations. Comes with a Windows® driver that allows the unit to print labels from LabelMark (included with TLS PC Link™), Codesoft software, or any Windows® software application available. The printer also has its own printer control language. The firmware is upgradeable through the mini-DIN series jack, and the unit operates off AC power or the included rechargeable battery. For efficient label design, editing and printing, order **mfg. part no. LM4** LabelMark labeling software separately on pages 1277-1278.



Mfg. Part No.	Description	Stock No.	Price Each
TLSPC	TLS PC Link Printer	31C9238	1003.89
ACCESSORIES			
TLSPC-AC	Power Supply/Battery Charger	35C2165	75.93
● TLSPC-BP	Rechargeable Battery Pack	35C2166	94.49
● TLSPC-CABLE	Communications Cable	35C2167	15.19
PCK-5	Cleaning Kit	48F5379	19.34

(68879)

PERMASLEEVE™ CABLE MARKING LABELS



White polyolefin markers have a 3:1 shrink ratio.

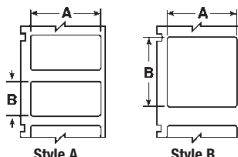
Mfg. Part No.	Sleeve Dim.		Wire Dia. Range		AWG	Labels Per Roll	Stock No.	Price per Roll
	A	B	Min.	Max.				
PSPT-125-1-WT	1.015"	0.235"	0.046"	0.110"	22-16	100	48F5388	65.96
● BPSPPT-125-1-WT	1.015"	0.235"	0.046"	0.110"	22-16	1000	04H1072	460.84
PSPT-187-1-WT	1.015"	0.335"	0.062"	0.150"	18-12	100	48F5389	73.44
BPSPPT-187-1-WT	1.015"	0.335"	0.062"	0.150"	18-12	1000	04H1074	514.12
PSPT-250-1-WT	1.015"	0.439"	0.094"	0.215"	16-10	100	48F5390	97.31
● BPSPPT-250-1-WT	1.015"	0.439"	0.094"	0.215"	16-10	1000	04H1076	622.01
● PSPT-375-1-WT	1.015"	0.645"	0.125"	0.320"	12-6	100	48F5391	131.06
PSPT-375-175-WT.	1.765"	0.645"	0.125"	0.320"	12-6	100	04H2495	176.29
● PSPT-500-175-WT	1.765"	0.851"	0.187"	0.450"	8-1	100	04H2499	203.74

(39397)

COMPONENT AND GENERAL ID PRINTABLE LABELS



Just Added



Electronic application labels help identify components and tools. For use with Brady's TLS2200® and TLS PC Link™ thermal transfer portable label printers; ordered separately on pages 1275-1276. Sold in roll quantities listed in tables below.

POLYESTER LABELS

Mfg. Part No.	Style	Color	Label Dimensions		Labels Per Roll	Stock No.	Price per Roll
			A (Width)	B (Height)			
● PTL-9-423*	A	Gloss White	0.65"	0.20"	750	48F5382	58.19
● PTL-15-423*	A	Gloss White	1.00"	0.275"	750	48F5383	69.83
● PTL-15-428**	A	Matte Silver	1.00"	0.275"	750	73K2639	91.67
● PTL-19-423*	A	Gloss White	1.00"	1.00"	250	48F5385	40.65

➤ CONTINUED ➤

COMPONENT AND GENERAL ID PRINTABLE LABELS (CONT.)

Mfg. Part No.	Style	Color	Label Dimensions		Labels Per Roll	Stock No.	Price per Roll
			A (Width)	B (Height)			
● PTL-28-423*	A	Gloss White	1.50"	0.25"	750	48F5386	83.80
● PTL-32-423*	B	Gloss White	1.50"	1.50"	250	48F5387	65.73

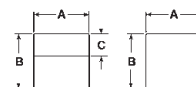
*Use with mfg. part no. R6010 ribbon; **Use with mfg. part no. R4310 ribbon

VINYL CLOTH LABELS

Mfg. Part No.	Style	Color	Label Dimensions		Labels Per Rolls	Stock No.	Price per Roll
			A (Width)	B (Height)			
● PTL-16-498**	B	White	0.375"	1.00"	500	04H2548	73.60
● PTL-17-498**	B	White	1.00"	0.50"	500	04H2562	77.34

**Use with mfg. part no. R4310 ribbon (39396)

WIRE AND CABLE MARKING LABELS



Thermal transfer printable vinyl marking labels make wire and cable identification easy. Ideal for use with Brady's TLS 2200® and TLS PC Link™ thermal transfer portable printers; order separately, go online or call.

SELF-LAMINATING VINYL — WHITE PRINTABLE AREA, TRANSLUCENT OVERLAMINATING AREA

Mfg. Part No.	Label Dimensions (in.)			Labels per Roll	Stock No.	Price per Roll
	A	B	C (Printable Area)			
● PTL-17-427	0.5	1	0.375	500	48F5398	55.86
● PTL-11-427	0.75	0.5	0.375	500	48F5394	50.84
● PTL-18-427	0.75	1	0.375	250	48F5400	45.59
● PTL-19-427	1	1	0.375	250	48F5401	50.18
● PTL-21-427	1	2.5	0.75	100	48F5402	38.43
● PTL-23-427	1	4	1	100	48F5403	45.76
● PTL-33-427	1.5	4	1	100	48F5408	61.93
● PTL-66-427	1.94	3.15	1	100	04H2800	60.35
● PTL-107-427	2	1.5	0.5	100	04H2520	77.54

REPOSITIONABLE VINYL-CLOTH — WHITE

Mfg. Part No.	Label Dimensions (in.) (Printable Area)		Labels per Roll	Stock No.	Price per Roll
	A	B			
● PTL-29-498	1.5	0.5	500	04H2681	68.41
● PTL-18-498	0.75	1	250	04H2567	50.66
● PTL-11-498	0.75	0.5	500	04H2524	61.26
● PTL-7-498	0.5	0.5	500	04H2806	67.33

(39399)

ID PAL™ LABELING TOOL AND ACCESSORIES



- Fits comfortably in user's hand
- Job-tough construction
- Easy-to-see red case
- Intuitive keypad with electrical and datacom symbols
- Prints letters in upper and lower case
- Prints numbers and symbols
- Choice of 5 font sizes
- Multiple line printing and serialization
- Special wire-marking mode with 10 preset lengths
- Quick, top-load, drop-in label cartridge
- Prints ID PAL™ easy-to-peel labels
- Built-in industrial cutter
- Automatic shutoff
- One year manufacturer's warranty
- FCC Class A approved



ID PAL™ hand-held labeling tool is an affordable, easy-to-use, non-smearing thermal transfer printer built tough for the field. Its rugged design has been tested to withstand harsh environments and a tough, 4-ft. drop test to concrete. Features built-in intelligence that senses label tape size and automatically formats the label design. Powered by 6 AA batteries (not included). Labeling tool size: 9L x 4.5W x 2.5H. Weighs only 1.2 lbs. with batteries and labeling tape cartridge installed. ID PAL™ labeling tool comes with one **mfg. part no. PAL-750-439** glossy-white permanent-vinyl (3/4" x 21" L) labeling tape cartridge. Additional label tapes are available — select from our large assortment of ID PAL™ labeling tape cartridges, ordered separately on page 1277. Order the hardside carrying case and AC adapter separately below.

Mfg. Part No.	Description	Stock No.	Price Each
● IDPAL	ID PAL™ Labeling Tool with 1 Labeling Tape Cartridge	77M7978	120.88

ACCESSORIES

IDPAL-HC	ID PAL™ Hardside Carrying Case	40C2497	36.63
IDPAL-AC	ID PAL™ AC Adapter	40C2495	40.30

(76913)

WIRE IDENTIFICATION & MARKING SYSTEMS

ID PAL™ LABEL CARTRIDGES



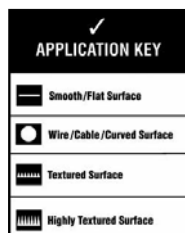
✓ Application Key	Smooth/ Flat Surface	Wire/Cable Curved Surface	Textured Surface	Highly Textured Surface
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LABEL CARTRIDGE SELECTION CHART

✓ Application	Material / Color	Label Width			Roll Length
		3/8" / 9mm	1/2" / 12mm	3/4" / 19mm	
	Nylon Cloth B499 / Black on white	PAL-375-499†	PAL-500-499†	PAL-750-499†	19' / 5.8m
	Vinyl B439 / Black on white*	PAL-375-439†	PAL-500-439†	PAL-750-439†	21' / 6.4m
	Polyester B430 / Black on clear	PAL-375-430†	PAL-500-430†	PAL-750-430†	21' / 6.4m
	Polyester B432 / Black on white	PAL-375-423†	PAL-500-423†	PAL-750-423†	21' / 6.4m

*Available in other colors; †Catalog Number

PAL series cut-to-length 21-ft. continuous tape labeling cartridges, in choice of performance-tested materials and popular widths, provide a good match with a variety of applications. Ideal for wire and cable marking, component marketing, and general identification. These tape labeling cartridges are top-loaded into **mfg. part no. ID PAL™** labeling tool; *ordered separately on page 1276*. The ID PAL™ tool features built-in intelligence that senses tape size and automatically formats the label. Other colors and sizes available; *go online or call*.



Mfg. Part No.	Color	Material	Width (in.)	Stock No.	Price Each
● PAL-375-423	Black on Glossy White	Polyester	0.375	40C2547	18.90
● PAL-375-430	Black on Glossy Clear	Polyester	0.375	40C2548	18.90
● PAL-375-439	Black on Glossy White	Vinyl	0.375	40C2549	19.95
● PAL-375-439YL	Black on Glossy Yellow	Vinyl	0.375	40C2550	19.66
● PAL-375-499	Black on Matte White	Nylon	0.375	40C2551	25.59
● PAL-500-423	Black on Glossy White	Polyester	0.5	40C2552	18.90
● PAL-500-430	Black on Glossy Clear	Polyester	0.5	40C2553	18.90
● PAL-500-439	Black on Glossy White	Vinyl	0.5	40C2554	19.95
● PAL-500-439YL	Black on Glossy Yellow	Vinyl	0.5	40C2555	19.66
● PAL-500-499	Black on Matte White	Nylon	0.5	40C2556	25.59
● PAL-750-423	Black on Glossy White	Polyester	0.75	40C2557	21.01
● PAL-750-430	Black on Glossy Clear	Polyester	0.75	40C2558	21.01
● PAL-750-439	Black on Glossy White	Vinyl	0.75	40C2559	23.11
● PAL-750-439YL	Black on Glossy Yellow	Vinyl	0.75	40C2560	22.75
● PAL-750-499	Black on Matte White	Nylon	0.75	40C2561	28.94

(68854)

HANDIMARK™ PORTABLE LABEL MAKER

- Fast, economical and easy to use
- Built-in bar code 3 of 9 symbology
- Create custom labels whenever and wherever you need them
- Runs on battery or AC adapter
- Tough vinyl tape designed for outdoor use and industrial environments



Mfg. part no. 42001 portable label maker comes complete with 113 built-in symbols and pictos that enables you to create your own custom labels in 12 different languages including Spanish and French. This portable label maker can also be used to print bar codes in an inventory system. Comes complete with 1 roll of white, 2" tape, 1 black ribbon, battery charger, rechargeable nickel-cadmium battery, cleaning kit, symbol reference chart and a hard cover carrying case. *Order AC adapter separately; go online or call Newark.*

Mfg. Part No.	Description	Stock No.	Price Each
42001	HandiMark Portable Label Maker	81C7467	970.70

INDOOR/OUTDOOR GRADE TAPE

Tape rolls 50' long.

Mfg. Part No.	Color	Roll Width (in.)	Stock No.	Price Each
● 42018	White	0.5	87H9039	46.34
● 42019	White	1	31C8289	64.63
● 42021	White	2	25H8714	96.99
● 42022	Yellow	0.5	87H9040	46.34
● 42023	Yellow	1	87H9041	64.63
● 42025	Yellow	2	06H0834	96.99
42029	Green	2	87H9042	96.99
42033	Red	2	69H6463	96.99
● 42037	Blue	2	87H9043	96.99
42041	Orange	2	82H8216	96.99

RIBBONS

Ribbons 75' long.

Mfg. Part No.	Color	Cartridge Size (in.)	Stock No.	Price Each
42012	White	2	06H1568	33.63
42011	Black	2	31C8287	33.63

➔ CONTINUED ➔

HANDIMARK™ PORTABLE LABEL MAKER (CONT.)

RIBBONS

Mfg. Part No.	Color	Roll Width (in.)	Stock No.	Price Each
42013	Red	2	07H3490	33.63
42014	Blue	2	07H3493	33.63

(77688)

MINIMARK™ PRINTER, PACKAGES AND ACCESSORIES



- Versatile
- Easy
- Fast
- Compact



Minimark™ Industrial label printer is ideal for making signs, marking racks, shelving and pipes, panel identification, as well as, general and industrial labeling. Value PLUS package for Minimark™ **mfg. part no. 52159** includes: 1 roll each 4" and 2.25" white vinyl tape, Markware software™ and 1 roll of black ribbon.

Mfg. Part No.	Description	Stock No.	Price Each
52041	MiniMark™ Industrial Label Printer	86K8406	1441.41
52159	ValuePLUS Package for MiniMark™	10M4809	717.69

INDOOR/OUTDOOR VINYL TAPE CARTRIDGES

Mfg. Part No.	Tape Color	Width (in.)	Roll Length (ft.)	Stock No.	Price per Cartridge
● 52074	White	2.25	110	10M4767	99.68
● 52075	Yellow	2.25	110	10M4768	99.68
● 52076	Red	2.25	110	10M4769	99.68
● 52079	Orange	2.25	110	10M4774	99.68
● 52087	White	4	110	10M4783	140.74
● 52090	Yellow	4	110	10M4784	140.74
● 52096	Orange	4	110	10M4790	140.74

RIBBON PER ROLL (2 ROLLS / PER PKG.)

Mfg. Part No.	Color	Width (in.)	Roll Length (ft.)	Rolls/Per Pkg.	Stock No.	Price per Pkg.
● 52042	Black	4.4	290	2	10M4739	124.06
● 52044	White	4.4	290	2	10M4741	124.06

(89501)

TAGUSTM T300 THERMAL TRANSFER PRINTER



Features:

- Supplies loading diagram embossed into the frame
- Unique collapsible ribbon hub
- Upgradeable flash memory
- Cantilever printhead mechanism

Tagus™ T300 thermal transfer printer is small but durable, built with the same durable die cast aluminum materials found on Brady's larger heavy duty printers. Print resolution is 300 dots per inch (12 dots per mm) thermal transfer printer. Selectable print speeds at 1" increments from 2" (50.80 mm) to 6" (152.40 mm) per second. Prints up to 4000 labels per day with a minimum label length of 0.125" (3.18 mm). Ideal for a wide variety of applications including wire and cable marking, laboratory sample identification, communications labeling, panel identification, security identification, as well as, general and industrial labeling.



Mfg. Part No.	Description	Stock No.	Price Each
BPT300	Tagus™ T300 Thermal Transfer Printer with LCD, 300 dpi	73K3578	1026.80

(87960)

IPTM THERMAL TRANSFER PRINTERS



Smart Cell Technology

- Printer, materials and ribbon communicate with each other making printing fast and hassle-free

Intelligence by Design

- No more calibration for notched, gapped or continuous material
- Center justified material guides keep print image consistent
- Easy loading with straight feed path

Intuitive LCD Display

- Correct material and ribbon match displayed
- Sensor position visually shown
- Monitors material and ribbon usage
- Intelligent troubleshooting with corrective action

Ready for Work

- 300dpi or 600dpi models
- Lightweight, compact design with convenient flip top
- USB, serial and Ethernet 10/100 connectivity



IPTM thermal transfer printer, material and software system is fully integrated and easy-to-use. The system offers material and ribbon recognition monitored on an LCD display, automatic formatting and user-friendly printer features. Material information is sent to the software, where template and settings are automatically populated. The user simply creates data on template, then clicks and prints. These high-performance printers come complete with power cord, USB cable, ribbon centering take-up spindle, printed Quick-Start manual, product CD including: Windows® printer driver, electronic Quick-Start manual, Brady IPTM Printer Operator/Configuration manual and web links, software demo CD, and printer cleaning film. *Order LabelMark™ labeling software separately below.* Both models accept a variety of Brady THT and THTEP labels and specialty materials — gapped, notched, continuous or die-cut labels, sleeves and tags, up to 4.2" wide. *Order B-593 series raised panel labels separately; go online or call.* IPTM printers work with an array of Brady IP-enabled ribbons, including the **4300, 6000 and 6100 series** IP-R thermal transfer ribbons; *go online or call.*

➔ CONTINUED ➔

WIRE IDENTIFICATION & MARKING SYSTEMS

IPT™ THERMAL TRANSFER PRINTERS (CONT.)

Mfg. Part No.	Description	Print Resolution (dpi)	Print Speed (" /sec)	Stock No.	Price Each
● BP-IP300	IPT™ Thermal Transfer Printer	300	8	55M3395	2525.07
● BP-IP600	IPT™ Thermal Transfer Printer	600	4	55M8663	3964.97

LABELMARK™ V4 LABELING SOFTWARE

Designed with the user in mind, **mfg. part no. LM4** LabelMark™ V4 labeling software is the logical solution for efficient label design, editing and printing. Makes it easy to create templates, add a barcode, image or text. Serialization wizard and data import wizard allow user to import data from spreadsheets, as well as, import external data on multiple labels. Written specifically for identification applications in the telecommunication and electrical market, it has a graphical interface that guides the user through label creation, editing and printing. Ideal for use with the IPT™ thermal transfer printers, *ordered separately above*, and **mfg. part no. TLSPC** TLS PC Link™ labeling system; *ordered separately on page 1276*.

Mfg. Part No.	Description	Stock No.	Price Each
LM4	LabelMark™ V4 Labeling Software CD-ROM	48P5444	283.76

(101305)

WIRE AND CABLE MARKING LABELS

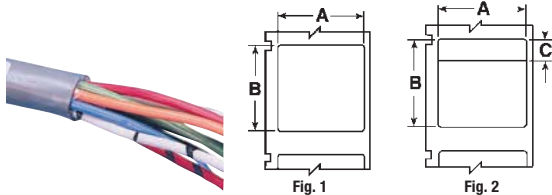


Fig. 1

Fig. 2

Ideal for use on wire and cable for easy identification. Also use on electronic components in control panels, on circuit boards and faceplates.

6 - 10 AWG — MAX. WIRE DIAMETER: 0.26"

Mfg. Part No.	Fig.	Label Material	Dimensions (In.)	Lines of Print	Labels Per Roll	Stock No.	Price per Roll
● WML-905-502	1	Vinyl Cloth	0.5 1.25 ...	8	250	48F5345	51.34
● WML-305-292	2	Vinyl*	0.5 1.25 0.5	3	250	48F5328	46.16
● WML-911-499	1	Nylon Cloth	1 1.25 ...	8	250	48F5346	68.82
● WML-911-502	1	Vinyl Cloth	1 1.25 ...	8	250	48F5347	66.41
● WML-311-292	2	Vinyl*	1 1.25 0.5	3	250	04H5969	43.88
● WML-317-292	2	Vinyl*	1.5 1.25 0.5	3	250	48F5332	73.30

10 - 12 AWG — MAX. WIRE DIAMETER: 0.21"

● WML-705-499	1	Nylon Cloth	0.5 1 ...	6	250	48F5340	53.06
● WML-705-502	1	Vinyl Cloth	0.5 1 ...	6	250	48F5339	51.53
● WML-205-292-1	2	Vinyl*	0.5 1 0.375	2	250	48F5324	46.42
● WML-711-499	2	Nylon Cloth	1 1 0.375	6	250	48F5342	63.57
● WML-711-502	1	Vinyl Cloth	1 1 ...	6	250	48F5343	62.27
● WML-211-292-1	2	Vinyl*	1 1 0.375	2	250	48F5326	57.18

10 - 16 AWG — MAX. WIRE DIAMETER: 0.16"

● WML-505-499	1	Nylon Cloth	0.5 0.75 ...	4	250	48F5333	49.38
● WML-505-502	1	Vinyl Cloth	0.5 0.75 ...	4	250	48F5334	47.87
● WML-205-292-75	2	Vinyl*	0.5 0.75 0.375	2	250	48F5325	38.99
● WML-511-499	1	Nylon Cloth	1 0.75 ...	4	250	25C5377	42.75
● WML-511-502	1	Vinyl Cloth	1 0.75 ...	4	250	48F5337	57.25
● WML-211-292-75	2	Vinyl*	1 0.75 0.375	2	250	48F5327	51.56
● WML-511-292	2	Vinyl*	1 2.5 0.75	4	100	48F5335	43.93

16 - 22 AWG — MAX. WIRE DIAMETER: 0.11"

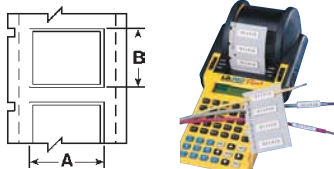
● WML-305-499	1	Nylon Cloth	0.5 0.5 ...	3	500	48F5329	78.18
● WML-305-502	1	Vinyl Cloth	0.5 0.5 ...	3	500	48F5330	75.78

*Self-laminating vinyl; +NOTE: Measurements based on THHN wire (39387)

PERMASLEEVE™ WIRE MARKING SLEEVES



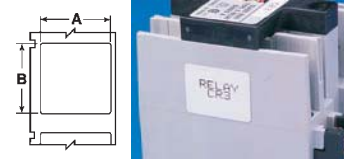
Material: heat-shrink polyolefin. Color: white. Ideal for I.D. PRO Plus® Brady LS2000 and BradyMarker™ XC Plus portable printers. **Sold in rolls of 100.**



Mfg. Part No.	Wire Diameter	Sleeve Dimensions	Max. Lines of Print	Stock No.	Price per Roll
PSIDP-111-125	0.046" 0.110"	22-16 1.00" 0.235"	1	48F5320	79.19
PSIDP-111-187	0.062" 0.150"	18-12 1.00" 0.335"	1	48F5321	88.51
PSIDP-211-250	0.094" 0.215"	16-10 1.00" 0.439"	2	48F5322	106.78
PSIDP-311-375	0.125" 0.320"	12-6 1.00" 0.645"	3	48F5323	157.67

(39388)

COMPONENT AND GENERAL IDENTIFICATION LABELS



For use on components in control panels, electronic components and circuit boards, faceplates, and electronic receptacles. **Sold in rolls of 500.**

Mfg. Part No.	Label Material	Label Dimensions	Lines of Print	Stock No.	Price per Roll
● CL-105-619	Polyester	0.50" 0.275"	1	48F5309	43.71
● CL-111-502	Vinyl Cloth	1.00" 0.275"	1	48F5310	68.29
● CL-111-607	Tamperproof Vinyl	1.00" 0.275"	1	48F5315	71.96
● CL-111-619	Polyester	1.00" 0.275"	1	48F5311	52.40
● CL-111-969	Metallized Polyester	1.00" 0.275"	1	48F5316	69.16
● CL-311-502	Vinyl Cloth	1.00" 0.275"	3	48F5313	84.61
● CL-311-619	Polyester	1.00" 0.50"	3	48F5314	64.60
● CL-311-969	Metallized Polyester	1.00" 0.50"	3	48F5317	86.76
● CL-317-619	Polyester	1.50" 0.50"	3	48F5318	72.64
● CL-517-619*	Polyester	1.50" 0.75"	4	48F5319	45.47

*Sold in rolls of 250 (39389)

MULTIPLE-ACROSS WIRE MARKING STRIPS



Will repeat the full legend for the entire length of the label in wire and strip modes. **Sold in rolls of 500 total labels (250 labels, 2 across).**

Mfg. Part No.	AWG	Sleeve Dimension	Write-On Area	Lines of Print	Stock No.	Price per Roll
● WML-505-499-2S†	10-14	0.50" 0.75"	...	4	48F5350	71.74
● WML-505-502-2S†	10-14	0.50" 0.75"	...	4	48F5351	69.76

†Nylon cloth; ‡White vinyl cloth (39390)

PORTA-PACK® WIRE MARKER BOOKS

Just Added



Slim, lightweight, pocket-size book is easy to carry and easy to use. Includes terminal marker with each wire marker.



Mfg. Part No.	Legend	No. Markers Per Legend	Stock No.	Price Each
● PWM-PK-1	0 thru 9	45	48F5352	31.36
● PWM-PK-2	A thru Z, 0 thru 15, +, -, /	10	08H0481	31.36
● PWM-PK-3	1 thru 45	10	48F5354	31.36
● PWM-PK-8	1 thru 15, 16 thru 90, A thru Z, +, -, /	6	48F5355	31.36
● PWM-LC-3	Load Center and Residential	5	48F5356	31.36

(39391)

Designing an embedded control system?
See our huge selection of MCUs, MPUs & DSPs in this catalog and online.

(148861)

WIRE IDENTIFICATION & MARKING SYSTEMS

WIRE MARKER CARDS

Exclusive ZipStrip® release cards let you remove the markers you need, when you need them. Vinyl cloth. Size: 1.50" per marker.



Just Added

Mfg. Part No.	Legend	No. Markers Per Legend	Stock No.	Price Each
WM-0	0	36	48F5357	2.29
WM-1	1	36	48F5358	2.29
WM-2	2	36	48F5359	2.29
WM-3	3	36	48F5360	2.29
WM-4	4	36	48F5361	2.29
WM-5	5	36	48F5362	2.29
WM-6	6	36	48F5363	2.29
WM-7	7	36	48F5364	2.29
WM-8	8	36	48F5365	2.29
WM-9	9	36	48F5366	2.29
WM-1-33	1 thru 33	33	48F5367	2.29
WM-34-66	34 thru 66	33	48F5368	2.29
WM-67-99	67 thru 99	33	48F5369	2.29
WM-A-Z	A thru Z	26	48F5372	2.29
WM-MIN	-	36	48F5373	2.29
WM-PLS	+	36	48F5374	2.29

(39393)

WIRE-MARKER BOOKLETS

Self-sticking wire markers in convenient pocket-size booklets. Plastic-impregnated cloth construction resists dirt, moisture, and oil. Non-smear black legends on white background provide high visibility. Temperature range: -40° to +250°F. Perforated 1.5" (38.10) markers can be separated into half-length sizes.



Mfg. Part No.	Legend	Number of Markers	Stock No.	Price Each
44-101	0 to 9	45 Each	35F2238	22.90
44-102	A to Z, 0 to 15, +, -, /	10 Each	35F2239	22.90
44-103	1 to 45	10 Each	35F2240	22.90
44-104	46 to 90	10 Each	35F2241	22.90

(5600)

PAN-CODE™ WIRE MARKER BOOKS



Vinyl cloth material with black legends on white background except for solid NEMA color books (mfg. part no. PCMB-10). Marker size: 1.375" (34.93) long for up to 0.375" (9.53) outer diameter with matching terminal marker. Feature 10 pages per book, except mfg. part no. PCMB-25 which features 12 pages per book.



Mfg. Part No.	Legends	No. Markers/ Each Legend	Stock No.	Price per Marker Book
PCMB-1	0-9	45	87F6093	21.62
PCMB-2	A-Z, 0-15, +, -, /	10	87F6383	21.62
PCMB-3	1-45	10	87F6094	21.62
PCMB-4	1, 2, 3	150	87F6384	21.62
PCMB-5	A, B, C	150	87F6385	21.62
PCMB-6	T1, T2, T3	150	87F6386	21.62
PCMB-7	L1, L2, L3	150	87F6387	21.62
PCMB-8	1-15 16-90 A-Z, +, -, /, 0	6 4 2	87F4562	21.62
PCMB-9	1, 2, 3, A, B, C L1, L2, L3, T1, T2, T3	45 30	87F4563	21.62
PCMB-10	NEMA Colors	45 ea.	87F4564	21.34
PCMB-11	1-30	15	87F4565	21.62
PCMB-12	A-Z + - Blank (Write-On)	15 8 7 21	87F4566	21.62

➔ CONTINUED ➔

PAN-CODE™ WIRE MARKER BOOKS (CONT.)

Mfg. Part No.	Legends	No. Markers/ Each Legend	Stock No.	Price per Marker Book
PCMB-16	0-33, A, B, C, +, -, / L1, L2, L3, T1, T2, T3	10 10	87F4567	21.62
PCMB-25	0-9 L1, L2, L3, T1, T2, T3	45 15	87F4568	21.61

(6464)

SHRINK TUBE LABELING CARTRIDGES FOR KROY K SERIES PRINTERS



Shrink tube labeling cartridges for use in K series printers. Sold in lengths of 110" per cartridge.

Mfg. Part No.	Tube Size	Color	Stock No.	Price per Cartridge
2470001	0.125" (3.2mm)	Black on White	19C7416	36.11
2470002	0.125" (3.2mm)	Black on Yellow	31C1905	36.11
2470011	0.188" (4.8mm)	Black on White	19C7417	37.24
2470021	0.25" (6.4mm)	Black on White	19C7418	39.50
2470022	0.25" (6.4mm)	Black on Yellow	19C7419	39.50
2470031	0.38" (9.6mm)	Black on White	19C7420	41.76
2470032	0.38" (9.6mm)	Black on Yellow	19C7421	41.76
2470041	0.5" (12.8mm)	Black on White	19C7422	44.02
2470042	0.5" (12.8mm)	Black on Yellow	19C7423	44.02

(62274)

PERMANENT MARKING PENS



These quality markers provide fast drying, permanent, legible identification on nylon parts. Use on applications where ordinary marking pens will not work (i.e. write-on labels and tags).



Mfg. Part No.	Description	Stock No.	Price Each
PX-0	Black Ink, Regular Tip	78FX626	12.23
PX-2	Red Ink, Regular Tip	78FX627	12.85
PX-10	White Ink, Regular Tip	44F1479	18.70
PFX-0	Black Ink, Fine Tip	46F1525	13.24
PFX-2	Red Ink, Fine Tip	46F1526	13.24

(6427)

PLD SERIES CABLE MARKER DISPENSER KITS



Mfg. part nos. S100X125VARY and S100X225VARY self-laminating vinyl marker kits contain dispenser, roll of blank markers, and marking pen. Marker tape rolls load easily into tough polypropylene dispenser.



Mfg. Part No.	Blank Markers			Stock No.	Price per Kit
	Overall Size	Write-On Area	Labels per Roll		
S100X125VARY	1.0 x 1.5"	1.0 x .38"	200	52K3171	44.47
S100X225VARY	1.0 x 3.0"	1.0 x .75"	100	52K3179	44.47

(13227)

PANDUIT® THERMAL TRANSFER SELF-LAMINATING WIRE MARKERS



Designed for permanent, clean identification of wire and cable. Labels are mounted on 1" (25.4mm) cores for a variety of thermal transfer desktop printer types including the Panduit mfg. part no. PTR2E and PTR3E printers. Vinyl material for indoor applications.



Mfg. Part No.	Label Size W x L1	Print-On Area W x L	Labels per Roll	Stock No.	Price per Roll
S100X150VA1Y	1.00" x 1.50"	1.00" x 0.50"	2500	51K9653	175.93
S200X225VA1Y	2.00" x 2.44"	2.00" x 1.00"	500	51K9718	132.80
S200X400VA1Y	2.00" x 3.94"	2.00" x 1.00"	500	51K9721	197.83

(62371)

WIRE IDENTIFICATION & MARKING SYSTEMS

TDP43MY THERMAL
TRANSFER DESKTOP
PRINTER

Mfg. part no. TDP43MY 300 dpi thermal transfer desktop printer creates crisp, clear legends with superior legibility at speeds up to 2" per second. Compact, lightweight design enables use in office or remote locations. Use to print a wide variety of self-laminating labels, component labels, non-laminated labels, heat-shrink labels, marker plates and continuous tapes up to 4.00" wide. This thermal transfer printer comes complete with Panduit's Easy-Mark™ labeling software, RMH4BL hybrid black ribbon, AC power adapter with U.S. and Europlug power cords, users manual and Quick-Start card. Can also be used with Panduit's Pan-Mark® 2.5 for Windows® labeling software; *order separately, go online or call.*



Mfg. Part No.	Description	Stock No.	Price Each
● TDP43MY	Thermal Transfer Desktop Printer	66M8293	1472.69

(84226)

EASY MARK® LABELING SOFTWARE



Generate computer printable labels quickly and easily with EASY-MARK® labeling software. Designed for Windows 98, Me, 2000, NT4.x or XP operating systems, supports most Windows printer drivers and is compatible with standard desktop printers including Panduit® thermal transfer desktop printers. Recommended minimum 64 MB hard drive space and 32 MB RAM. Features include: database importing, symbol library and image import, alpha-numeric serialization and much more. All Panduit® label formats are preloaded and ready to use.



Mfg. Part No.	Description	Stock No.	Price Each
PROG-EMCD3	Easy-Mark Labeling Software, CD-ROM	56K4954	212.84

(7963)

LS8E SERIES PANTHER™
HAND-HELD THERMAL
TRANSFER PRINTER AND
ACCESSORIES

- Cut-to-length functionality eliminates label waste
- Partial cut feature provides tear-apart strips of labels
- Fast-loading label cassette includes both labels and ribbon
- Large graphic display with backlight for improved visibility

LS8E series Panther™ hand-held, thermal transfer printer prints self-laminating cable labels, continuous tapes and die-cut labels for patch panels, faceplates and other network applications. The label cassette contains an integrated memory device for automatic formatting, recall of last legend used and number of labels remaining in cassette. *Order accessories separately below. Label cassettes are available; go online or call.*

Mfg. Part No.	Kit Contents	Stock No.	Price Each
● LS8E	LS8E Panther Printer, One Cassette of S100X150VAC Self-Laminating Labels, Six AA Batteries and a Quick Reference Card	39M3229	538.03
● LS8E-KIT	LS8E Panther Printer, One Cassette of S100X150VAC Self-Laminating Labels, Six AA Batteries, Hardside Carrying Case, LS8-PCKIT PC Interface Kit, LS8-IB Protective Impact Bumper, LS8-WS Wrist Strap and a Quick Reference Card	39M3230	617.16

ACCESSORIES

Mfg. part no. LS8-PCKIT includes USB cable and PC interface software for importing data, system upgrades, and printing from a wireless laptop or desktop computer.

Mfg. Part No.	Description	Stock No.	Price Each
LS8-PCKIT	PC Interface Kit	67K8123	32.60
LS8E-ACS*	120VAC Power Adapter for North America	41M8117	94.64
LS8-CASE	Hardside Carrying Case	67K8119	89.66
LS8-IB	Protective Impact Bumper	67K8121	19.56
LS8-WS	Wrist Strap	67K8124	19.56

*Not used to charge batteries
(90843)

SELF-LAMINATING
LABELS FOR LASER/INK
JET PRINTERS

Labels can be printed in both laser and ink jet printers. Self-laminating labels include a colored print-on area and clear overlaminate to protect the legend for clear and durable identification. Available in polyester material and supplied on 8.50" x 11.00" sheets. Labeling software packages include all label formats for quick and easy label production.

Mfg. Part No.	Width (in.)	Length (in.)	Print-On Height (in.)	Pkg. Qty.	Stock No.	Price per Pkg.
● S100X125YAJ	1.00	1.25	.38	2500	08J3933	181.59
● S100X150YAJ	1.00	1.5	0.5	2500	08J3940	216.42
● S100X225YAJ	1.00	2.25	.75	1000	02J8312	198.24
● S100X400YAJ	1.00	4.00	1.00	1000	08J3964	214.56

(84218)

LS9 SERIES COUGAR™
HAND-HELD THERMAL
TRANSFER PRINTER AND
ACCESSORIES

- Partial cut feature provides tear-apart strips of labels
- Fast loading label cassette includes both labels and ribbon
- Legends can be easily aligned with ports on patch panels and faceplates
- Large graphic display for improved visibility

Mfg. part no. LS9 powerful Cougar™ hand-held, thermal transfer printer prints on a variety of continuous industrial label material tapes for wire/cable marking, components labeling, patch panels, faceplates, safety and facility identification, and other network and electrical applications. Also prints continuous military and commercial-grade heat shrink tubing. P1™ label cassette contains an integrated memory device for automatic formatting, recall of last legend used and number of labels remaining in cassette. Designed to meet the demanding requirements of electrical and network users, the Cougar™ printer is ideal for use in the field. *Order accessories separately below. Label cassettes are available; go online or call.*

Mfg. Part No.	Kit Contents	Stock No.	Price Each
● LS9	LS9 Cougar Printer, One Cassette of T100X000VPC-BK Continuous Tape, Six AA Batteries and a Quick Reference Card	31M8332	197.37

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
● LS9-ACS*	120 VAC Power Adapter for North America	35M5099	78.49
LS9-CASE	Hardside Carrying Case	34M2699	74.36
LS9-IB	Protective Impact Bumper	35M5102	16.23
LS9-WS	Wrist Strap	35M5103	16.23
LS9-CLN	Cleaning Kit	35M5101	67.13

*Not used to charge batteries
(90844)

SELF-LAMINATING LABELS
FOR PAN-QUIK™ LS3E
HAND-HELD DOT MATRIX
PRINTER

Self-laminating vinyl labels offer crisp, clear legends with superior legibility. Supplied on rolls, these labels feature a white print-on area with a transparent overlaminate to protect legend for clear, permanent identification. Designed to identify all sizes of wire and cable quickly and economically. Durable vinyl material for indoor and outdoor applications.

Mfg. Part No.	Width (in.)	Length (in.)	Print-On Area Height (in.)	Labels per Roll	Stock No.	Price per Roll
● S050X075VA3Y	0.5	0.75	0.25	250	52K3160	25.38
● S100X125VA3Y	1	1.25	0.38	250	52K3172	39.24
● S100X150VA3Y	1	1.5	0.5	250	52K3174	41.82
● S100X225VA3Y	1	2.25	0.75	150	52K3180	28.83

(84232)

RIBBONS FOR MFG. PART
NO. TDP43M THERMAL
TRANSFER PRINTER

Mfg. Part No.	Description	Width (in.)	Roll Length (ft.)	Stock No.	Price per Roll
● RMH2BL	Black, Hybrid Thermal Transfer Ribbon. For use with Self-Laminating, Component, Heat Shrink and Non-Laminated Labels	2.52	240	08J3470	23.85
● RMH4BL	Black, Hybrid Thermal Transfer Ribbon. For use with Self-Laminating, Component, Heat Shrink and Non-Laminated Labels	4.33	240	08J3471	41.35
● RMR2BL	Black, Resin Thermal Transfer Ribbon. For Use with Component Labels and Continuous Tape	2.52	240	08J3472	23.38
● RMR4BL	Black, Resin Thermal Transfer Ribbon. For Use with Component Labels and Continuous Tape	4.33	240	08J3474	40.80
● RMW2BL	Black, Wax Thermal Transfer Ribbon. For Use with Self-Laminating Vinyl and Non-Laminated Labels	2.52	240	08J3479	21.08

(84227)

WIRE IDENTIFICATION & MARKING SYSTEMS

HEAT-SHRINK LABELS
FOR PAN-QUIK™ LS3E
DOT MATRIX PRINTER

Labels offer crisp, clear legends with superior legibility. Shrink ratio 3:1 Pre cut flattened polyolefin mounted on plastic carrier. **Sold in rolls.**



Mfg. Part No.	Width (in.)	Height (in.)	Labels per Roll	Stock No.	Price per Roll
● H050X025F13	0.50	0.25	200	08J1496	55.45
● H100X034F13	1.00	0.34	100	08J0461	69.35
● H100X044F13	1.00	0.44	100	08J0462	81.95
● H100X084F13	1.00	0.84	100	08J0463	138.95

(18436)

NON-LAMINATED/FLAG STYLE
LABELS FOR USE WITH
VIPER™ LS6 PORTABLE
THERMAL TRANSFER PRINTER

Labels offer crisp, clear legends with superior legibility. Available in vinyl cloth material for long term or temporary labeling. **Sold in rolls.**

Mfg. Part No.	Width (in.)	Length (in.)	Print-On Area Height	Labels Per Rolls	Stock No.	Price per Roll
● N050X075CB6	0.50	.75	.75	500	07J0580	58.84
● N050X150CB6	0.50	1.50	1.50	250	07J0581	66.33
● N100X125CB6	1.00	1.25	1.25	250	07J0582	71.89
● N100X175CB6	1.00	1.75	1.75	250	07J0583	72.12

(82403)

VOLTREX® BRAND CABLE MARKERS
STRAIGHT CUT OVAL TYPE - 0.197"

- Straight cut 0.197" wide markers
- Markers: yellow PVC with black legend
- Can be used as conventional wire markers or alternatively on carrier strips
- 2.559" carrier strip holds 9 markers and 3.937" strip holds 16 markers
- Secured at either end using cable ties or lacing cord



Wire diameter 0.138-0.236". Operating temperature -65 to 70°C.

Mfg. Part No.	Legend	Stock No.	Price Each
● FM1(+)	+ Symbol	24M2101	10.09
● FM1(-)	- Symbol	24M2102	10.58
● FM1(/)	/ Symbol	24M2103	10.58
● FM1(0)	0 (Number)	24M2130	10.58
● FM1(1)	1	24M2131	10.58
● MCFM-1(EARTH)	Ground	24M4434	10.58
● FM1(2)	2	24M2132	10.58
● FM1(3)	3	24M2133	10.58
● FM1(4)	4	24M2134	10.58
● FM1(5)	5	24M2135	10.58
● FM1(6)	6	24M2136	10.58
● FM1(7)	7	24M2137	10.58
● FM1(8)	8	24M2138	10.58
● FM1(9)	9	24M2139	10.58
● FM1(A)	A	24M2104	10.58
● FM1(B)	B	24M2105	10.58
● FM1(C)	C	24M2106	10.58
● FM1(D)	D	24M2107	10.58
● FM1(E)	E	24M2108	10.58
● FM1(F)	F	24M2109	10.58
● FM1(G)	G	24M2110	10.58
● FM1(H)	H	24M2111	10.58
● FM1(I)	I	24M2112	10.58
● FM1(J)	J	24M2113	10.58
● FM1(K)	K	24M2114	10.58
● FM1(L)	L	24M2115	10.58
● FM1(M)	M	24M2116	10.58
● FM1(N)	N	24M2117	10.58
● FM1(O)	O (Letter)	24M2118	10.58
● FM1(P)	P	24M2119	10.58

➔ CONTINUED ➔

VOLTREX® BRAND CABLE MARKERS STRAIGHT CUT OVAL TYPE -
0.197" (CONT.)

Mfg. Part No.	Legend	Stock No.	Price Each
● FM1(Q)	Q	24M2120	10.09
● FM1(R)	R	24M2121	10.58
● FM1(S)	S	24M2122	10.58
● FM1(T)	T	24M2123	10.58
● FM1(U)	U	24M2124	10.09
● FM1(V)	V	24M2125	10.58
● FM1(W)	W	24M2126	10.58
● FM1(X)	X	24M2127	10.58
● FM1(Y)	Y	24M2128	10.09
● FM1(Z)	Z	24M2129	10.09

CARRIER STRIPS

Mfg. Part No.	Length	Stock No.	Price per Pkg.
● MS065 65MM CARRIER STRIP	2.559"	24M4996	3.05
● MS100 100MM CARRIER STRIP	3.937"	24M4997	4.55

(102907)

EZCODE WIRE AND CABLE
MARKER SHEETS

Thomas & Betts

EZCode® customize and personalize markers using information stored in word processors, automatic typewriters, or computer printers. Using pin-fed holes and fan-folded sheets that fit standard printers or laser printable sheets, these markers can provide entire schematic wiring data, serial numbers, sequencing data, data coding, and routing and connecting information. Self-laminating vinyl provides maximum protection against most common elements. **Sold in packages of 25 sheets.**



MARKER SHEETS FOR STANDARD PRINTERS

Mfg. Part No.	Marker Size	Wire Diameter	Markers per Sheet	Total Markers per Package	Stock No.	Price per Pkg.
WES-12112	1/2 x 1 1/2"	0.313"	64	1600	87F991	136.06
WES-1112	1 x 1 1/2"	0.313"	32	800	87F3482	132.25

MARKER SHEETS FOR LASER PRINTERS

Mfg. Part No.	Marker Size	Wire Diameter	Markers per Sheet	Total Markers per Package	Stock No.	Price per Pkg.
● WLP-1112	1 x 1 1/2"	0.313"	48	1200	16F1175	157.91
● WLP-1214	1 x 2 1/4"	0.469"	32	800	16F1176	156.94
● WLP-12112	1/2 x 1 1/2"	0.313"	96	2400	16F1178	168.05

(6450)

EZCODE THERMAL
TRANSFER LABEL PRINTER

Thomas & Betts

NEW TECHNOLOGY

- Easy-to-use, portable, hand-held label maker
- Large LCD screen makes viewing easy
- Powerful firmware is easy to use and update
- Ergonomic design fits comfortably in user's hand
- Durable, non-smearing thermal transfer technology
- Cuts labels with just the touch of a button
- Oversized keys and spacing make it easy to type
- Integral cassette sensor automatically adjusts to tape's width and media type
- Backlit display for use in low lighting conditions
- Built-in mini USB port
- Protective rubber molding enables a firm grip and protects unit
- Multiple power sources: 6 AA batteries, 7.4V Li-ion rechargeable battery or AC adapter
- Choose from a large assortment of labeling tape cassettes



EZCode® EZL500 thermal label printer can print the widest variety of labels used on the most surface types. Ideal for labeling cable and wire jackets and other surfaces. Use hard-coded function keys for immediate access to frequently used functions. Soft-menu keys are perfect for infrequent functions. **Mfg. part no. EZL500** includes the hand-held thermal label printer with one EZ-1030C-WN labeling tape cassette (1" white nylon), six AA batteries, quick-start guide, and user's manual. *Order additional labeling tape cassettes separately below.*

Mfg. Part No.	Description	Stock No.	Price Each
EZL500	EZCODE Hand-Held, Portable Thermal Label Printer	09R2207	355.30
Mfg. part no. EZL500-KIT includes the EZL500 hand-held thermal label printer, EZ-1030C-WN (1" white nylon) and EZ-1030C-MP (1" white metallic polyester) labeling tape cassettes, power adapter, convenient magnet strap, PC software with USB cable, 7V Li-ion rechargeable battery, quick-start guide, user's manual and hard-sided carrying case.			
EZL500-KIT	EZCODE Hand-Held, Portable Thermal Label Printer Kit	09R2208	430.10

EZL500 THERMAL PRINTER LABELING TAPE CASSETTES

Convenient, no-mess labeling tape cassette drops easily into printer. Flexible nylon tape is excellent for wire and cable wrapping on curved, textured and highly textured surfaces. Polyester tape is perfect for general labeling on flat or textured surfaces. Self-laminating vinyl tape resists oil, dirt, grime and solvents making it excellent for indoor/outdoor use. Flexible for use on smooth, textured or curved surfaces. All tapes feature an EZ-Peel split back and industrial-strength adhesive.

Mfg. Part No.	Material	Color	Width (in.)	Stock No.	Price Each
EZ-3830C-WN	Nylon	White	3/8"	09R2205	33.66
EZ-1230C-WN	Nylon	White	1/2"	09R2201	35.53
EZ-3430C-WN	Nylon	White	3/4"	09R2203	37.40

➔ CONTINUED ➔

WIRE IDENTIFICATION & MARKING SYSTEMS

EZCODE THERMAL TRANSFER LABEL PRINTER (CONT.)

Mfg. Part No.	Material	Color	Width (In.)	Stock No.	Price Each
EZ-1030C-WN	Nylon	White	1	09R2199	41.14
EZ-3830C-WP	Polyester	White	3/8	09R2206	29.92
EZ-1230C-WP	Polyester	White	1/2	09R2202	31.79
EZ-3430C-WP	Polyester	White	3/4	09R2204	33.66
EZ-1030C-WP	Polyester	White	1	09R2200	37.40
EZ-1030C-MP	Polyester	Metallic	1	09R2197	37.40
EZ-1030C-SL	Self-Laminating Vinyl	White/Transparent	1	09R2198	43.01

(147919)

EZCODE WIRE MARKER BOOKS



Thomas & Betts



EZCode® pocket-pack wire marker books are easy to carry, and easy to use.

WBC VINYL CLOTH STANDARD BOOKS

Mfg. Part No.	Number of Markers and Legends	Stock No.	Price Each
● WM-0-9M	46 Each Page	46F5979	36.95
● WM-A-33	10 Each: 1-33, A, B, C, +, -, T ₁ , T ₂ , T ₃ , L ₁ , L ₂ , L ₃	46F5984	36.95
● WM-0-45	10 Each: 0 Thru 45	46F6503	36.13
● WM-A-90	6 Each: 0-15, 4 Each: 16-90, 2 Each: A-Z	46F5985	36.95
● WM-46-90	10 Each	46F5980	37.15
● WM-A-Z	10 Each: A Thru Z, +, -, and 0 Thru 15	46F5981	36.13

WSL VINYL SELF-LAMINATING STANDARD BOOKS

WMSL-0-45	10 Each: 0 Thru 45	46F5967	39.22
WMSL-A-Z	10 Each: A-Z, +, -, and 0-15	46F5969	41.94

WSL VINYL SELF-LAMINATING STANDARD BLANK WRITE-ON BOOKS

WM-BW3	30 1"x4-7/8" Marking Area: 1"x1"	46F5971	39.48
WM-BW5	50 1"x2-3/4" Marking Area: 1"x3/4"	46F5972	39.93
WM-BW12	200 1/2"x1-1/4" Marking Area: 1/2"x5/8"	46F5973	41.27
WM-BW14	400 1/4"x1-1/4" Marking Area: 1/4"x5/8"	46F5974	43.45
WM-BW34	140 3/4"x1-1/4" Marking Area: 3/4"x5/8"	46F5975	42.43

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RAYCHEM WIRE AND CABLE MARKER DISPENSERS



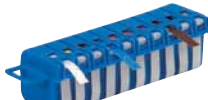
Tyco Electronics



WCD-476 Write-On Self-Laminating



CMD-0-9 Pre-Printed Numbers



CMD-CC Color Coding

- Pre-printed markers — numbers, letters and symbols
- Color-coding markers
- Write-on self-laminating markers
- Handy, pocket-size dispenser

CMD series cable and wire markers are available in pre-printed numbers or letters and colors. Made from durable DuPont Tyvek® material with an aggressive acrylic adhesive backing that's impervious to oil and water. Each roll of pre-printed markers contains 76 individual markers in a convenient length that accommodates most commonly identified wire sizes. Individually numbered markers (0 to 9) or assorted color-coding markers come loaded in a handy, pocket-size reusable dispenser that holds ten tape rolls. Pre-printed markers feature black legend on white ground. Roll size: 32mm (1.25")L x 6.4mm (0.25")W. Order wire marker refills for pre-printed numbers and colors, as well as, pre-printed letters and symbols separately below.

CMD SERIES PRE-PRINTED NUMBERS AND COLOR-CODING WIRE MARKERS IN DISPENSER

Mfg. Part No.	Description	Stock No.	Price Each
● CMD-0-9	Loaded Dispenser Contains 10 Rolls of Pre-Printed Number Markers — 0 to 9	41M0521	44.71
● CMD-CC	Loaded Dispenser Contains 10 Rolls of Color-Coding Markers	41M0503	44.71
● CMD-EMPTY	Empty Dispenser	41M0507	30.36

CMD-SERIES WIRE MARKER REFILLS

Mfg. Part No.	Description	Stock No.	Price per Box
● CMD-0-9-REFILL	Refill Box of 10 Marker Tape Rolls — Pre-Printed Numbers 0 to 9	56P3044	30.36
● CMD-CC-REFILL	Refill Box of 10 Marker Tape Rolls — Color-Coding	56P3026	30.36
● CMD-A-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed A	56P3022	30.36
● CMD-B-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed B	56P3023	30.36

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RAYCHEM WIRE AND CABLE MARKER DISPENSERS (CONT.)

CMD-SERIES WIRE MARKER REFILLS

Mfg. Part No.	Description	Stock No.	Price Each
● CMD-C-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed C	56P3024	30.36
● CMD-D-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed D	56P3027	30.36
● CMD-E-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed E	56P3028	30.36
● CMD-F-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed F	56P3030	30.36
● CMD-G-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed G	56P3031	30.36
● CMD-H-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed H	56P3032	30.36
● CMD-L-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed L	56P3033	30.36
● CMD-N-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed N	56P3035	30.36
● CMD-R-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed R	56P3037	30.36
● CMD-S-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed S	56P3038	30.36
● CMD-T-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed T	56P3039	30.36
● CMD-U-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed U	56P3040	30.36
● CMD-V-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed V	56P3041	30.36
● CMD-W-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed W	56P3042	30.36
● CMD-MINUS-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed - (Minus Sign)	56P3034	30.36
● CMD-PLUS-REFILL	Refill Box of 10 Marker Tape Rolls — All Pre-Printed + (Plus Sign)	56P3036	30.36

WRITE-ON SELF-LAMINATING WIRE AND CABLE MARKER LABELS IN DISPENSER

Mfg. part no. **WCD-476** is a pocket-sized disposable label dispenser containing a roll of pre-cut self-laminating cable markers. Each marker has a white 12.7mm (0.5") high markable area for legend inscription, and a clear wrap to wind around a wire or cable to protect the handwritten legend from becoming illegible. Aggressive acrylic adhesive impervious to oil and water. Roll size: 47.6mm (1.87")L x 19mm (0.75")W. Max. cable dia.: 10.66mm (0.4"). 150 markers per roll/dispenser. Order fine felt-tip marker pen separately below.

Mfg. Part No.	Description	Stock No.	Price Each
● WCD-476	Write-On Self-Laminating Marker Labels in Dispenser	41M0523	22.91
● ZUB-01	Fine Felt-Tip Marker Pen — Blue	41M0524	4.49

(94347)

RAYCHEM IDENTIFICATION

VF SERIES WIRE LABELS

- Resists water, oil, conventional cleaning agents, and oil base solvents
- Filters UV light
- Exhibits high degree of resistance to aging
- Meets the requirements of MIL-M-87958

VF series of Tedlar products is specifically designed for wire/cable labeling. The product is thermal transfer printable and available in several continuous and die-cut formats to fit a wide range of cables/cable bundles. The product meets all the requirements of the BMS 13-47, DMS 2359 and GAT100BA specifications, the benchmarks of pressure-sensitive wrap-around labels in the aerospace industry. Label material: polyvinyl fluoride. Operating temperature range: -40°C to 130°C.

Mfg. Part No.	Dimensions (W x L)	Color	Stock No.	Price Each
TTVF300BK-100	3" x 100 ft	Black	47M1531	827.56
TTVF300OE-100	3" x 100 ft	Orange	47M1535	827.56
TTVF300VT-100	3" x 100 ft	Violet	47M1538	827.56
TTVF300BE-100	3" x 100 ft	Blue	47M1544	827.56
TTVF300GN-100	3" x 100 ft	Green	47M3163	827.56
TTVF300BN-100	3" x 100 ft	Brown	47M3246	827.56
TTVF300GY-100	3" x 100 ft	Grey	47M3273	827.56

(102143)

RAYCHEM UNIQUE IDENTIFICATION PROGRAM (UID) LABELING AND DECODING SYSTEM



Tyco Electronics



Thermal Transfer Printer



VLD-100 Hand-Held Imager/Validator



VRF-100 Data Matrix 2D Verifier

THERMAL TRANSFER PRINTERS

T300 and T400 series robust, computer-driven thermal transfer printers are specially designed to produce high-quality alpha/numeric text, graphic images, barcodes and 2D Data Matrix marks for UID applications using PrintEasy label design and printing software; *ordered separately below*. Ideal for use with Tyco Electronics/Raychem's range of thermal transfer printable label products; *order separately on pages 1284-1286*. Rugged and durable metal construction makes these printers suitable for demanding industrial and commercial environments. Enhanced memory and 32 bit processor provide fast data processing and print speeds. Order printer ribbons separately below.

T300 series printers are high-performance, yet cost-effective thermal transfer printers with a 4.1" printhead and print speeds of 8" per second.

➤ CONTINUED ➤

WIRE IDENTIFICATION & MARKING SYSTEMS

RAYCHEM UNIQUE IDENTIFICATION PROGRAM (UID) LABELING AND DECODING SYSTEM (CONT.)

Mfg. part no. T208M-C-PRINTER portable/desktop, computer-driven thermal transfer printer for crisp, high quality text, barcodes and graphic images. Ideal for low volume users. Designed for use with TMS heat shrinkable wire marker sleeves and limited thermal transfer printable pressure sensitive label products. **Mfg. part no. T424S** high-performance thermal transfer printer is suitable for a variety of "mission critical" applications. With the highest print resolution of 600 dpi, its 3.2" printhead and print speed of 4" per second produces unmatched quality printing in a limited space.

Mfg. Part No.	Description	Print Resolution (dpi)	Stock No.	Price Each
● T208M-C-PRINTER	T208M Thermal Transfer Printer	200	37J1485	942.39
● T308S-PRINTER	High-Performance Thermal Transfer Printer, Standard Heavy-Duty	200	29K8326	2569.42
● T312M-PRINTER	High-Performance Thermal Transfer Printer, Standard Heavy-Duty	300	29K8327	3782.80
● T312M-R-PRINTER	High-Performance Thermal Transfer Printer with Internal Rewind	300	74K2262	4287.02
● T424S-PRINTER	High-Performance and High-Speed Thermal Transfer Printer	600	74K2263	6074.04

PRINTEASY SOFTWARE

Supports the four thermal transfer printers; *ordered separately above*. All versions feature True-Type fonts and printer fonts to produce high-quality 2D Data Matrix barcodes, text and graphics. Window-based with true WYSIWYG display. PC compatible. PrintEasy-Suite also features four extra modules: Database Designer, FrontEnd Designer, Remote Control Designer and Memory Card Wizard. PrintEasy-NET05 is a networking version of PrintEasy-Suite with an administration program and five licenses.

Mfg. Part No.	Description	Stock No.	Price Each
PRINTEASY-PRO	PrintEasy-Pro Label Design and Printing Software	61J3493	615.33

BLACK RESIN RIBBONS FOR T208M AND T212M SERIES PRINTERS — 4.33" WIDE x 242" LONG

Mfg. Part No.	Compatible Labels	Stock No.	Price Each
● 1330-0607-T200	For Use on HM, HMM, HW, MP, MV, NC, TN, TTP, WP, WV Series Thermal Transfer Printable Pressure Sensitive Labels	42J5829	35.66

BLACK RESIN RIBBONS FOR T300 SERIES PRINTERS — 4.33" WIDE x 984" LONG

● TMS-RJS-RIBBON-4RPSCE	For Use on RPS and TMS-SCE Series Wire Marker Sleeve Products	29K8322	59.15
● 1330-0606-10	For Use on SB, NC, WP, HW, MP, HM, HMM, CP, MV, TN, WV, SP, TTP, TTPA and HPK Series Label Products	29K8328	85.14
● 1330-0607-10	For Use on WP, HW, MP, HM, HMM, CP, MV, TN, WV, SP, TTP, TTPA and HPK Series Label Products	29K8329	74.94
● 1330-0619-10*	For Use on T1K, T2K, TSK, T2Y, KIT Series Thermal Transfer Printable Kapton Labels	73K6373	93.50

BLACK RESIN RIBBONS FOR T400 SERIES PRINTERS — 3.15" WIDE x 984" LONG

1330-0607-08	For Use on WP, HW, MP, HM, HMM, CP, MV, TN, WV, SP, TTP, TTPA and HPK Series Label Products	80K5351	67.74
● 1330-0606-08	For Use on SB, NC, WP, HW, MP, HM, HMM, CP, MV, TN, WV, SP, TTP, TTPA and HPK Series Label Products	80K5350	60.74
● 1330-0619-08	For Use on T1K, T2K, TSK and T2Y Series Label Products	23K8446	74.05
● 1330-3300-08	For Use on PVF, TTVF and PVF-Self Laminated Series Label Products	80K5352	59.55
● 1330-0600-08	For Use on EP Series Label Products	80K5349	35.04

IMAGER, IMAGER/VALIDATOR AND VERIFIER FOR UID APPLICATIONS

Mfg. part no. BSC-200 is a portable, battery-operated, hand-held 2D imager that reads ordinary linear barcodes, barcode symbols and Data Matrix symbols, used in UID applications, at varying distances from 2" to 20" (50.8 to 508mm). Feature point-and-click targeting, red laser point centering and fast processing. Beeper, vibrator and multi-purpose LEDs signal successful decoding. Uses **mfg. part no. VLD-100-BATTERY** rechargeable 1300mA lithium-ion battery pack; *order separately below*.

Mfg. part no. VLD-100-BAT is optimized to read both linear bar codes and 2D symbols. This aggressive hand-held, high-resolution imager/validator is a wireless way to collect thousands of decoded symbols for later download, capable of performing more than 4000 reads from a single battery charge and buffer a minimum of 1MB of data in non-volatile memory. Decodes symbols on low-contrast substrates such as metal, plastic, rubber, vinyl and glass. Reads marking methods such as dot peen, thermal transfer and laser/chemical etch. Features point-and-click targeting and red laser spot centering. Beeper, vibrator and multi-purpose LEDs signal successful decoding. **Mfg. part no. VLD-101-CONN-KIT** includes **mfg. part no. VLD-100-BAT** imager/validator, **mfg. part no. VLD-100-BATTERY** rechargeable 1300mA lithium-ion battery pack and storage case. The imager/validator and battery pack are also available separately.

Mfg. part no. VRF-100-KIT-15415 is an ISO/IEC15415- and AS9132-compliant Data Matrix verifier for use in production environments. Verifies that UID code and Data Matrix marks are accurate and conform to quality standards called out in MIL specifications. This fixed-mount, compact device has a fully-contained housing, making it easy to integrate into existing production environment applications. Factory-calibrated to specific traceability standards so no on-site calibration of optics or lighting is needed to verify marks. Simply present the part to the verifier, then trigger, and receive the symbol quality report. Kit includes verifier, monitor and required connections.

Mfg. Part No.	Description	Stock No.	Price Each
BSC-200	Hand-Held Barcode and 2D Imager	67K2935	1072.62
VLD-100-BAT	Hand-Held Barcode and 2D High-Resolution Imager/Validator	67K2928	2175.03
VLD-100-BATTERY	Rechargeable Lithium-ion Battery Pack for Mfg. Part Nos. BSC-200 Imager and VLD-100-BAT Imager/Validator	80K5348	175.40
VRF-100-KIT-15415	Data Matrix 2D Verifier Kit	68K9607	9418.86

* For all T300 and T400 printers
(87097)

RAYCHEM MFG. PART NO. T107M-SMS HIGH-PERFORMANCE IDENTIFICATION AND LABELING PRINTER KIT



- Professional quality, smudge-free label printing
- Hand-held, easy-to-use design
- One-touch "Hot Key" functionality: Wrapping, Fixed Length, Vertical Print, Module Marking, Patch Panel and Serialization
- Thermal transfer printhead (180 dpi)
- Extra-large, 2-line, 30-character backlit LCD display
- Oversized keys
- Rechargeable battery pack
- Easy-to-install labeling tape cassettes
- CE compliant



T107M



Labeling Tape Cassettes

Mfg. part no. T107M thermal transfer printer provides on-site, on-demand solutions for nearly all industrial identification and labeling requirements. Keyboard features alpha A thru Z, numeric 0 through 9, commonly used electrical and datacom symbols like ohm, ground, phone, data and fax and also prints code 39 and code 128 bar codes. Printer is bright orange with gray rubber bumper for extra protection. Kit includes printer, hardcase carrying case, six AA batteries, AC power adapter, one 19mm wide white nylon-cloth labeling tape cassette, one 12mm wide white permanent polyester labeling tape cassette and users guide. **SMS series** of labeling tape cassettes were designed especially for use with the **mfg. part no. T107M** printer. *Order additional labeling tape cassettes separately below.*

Mfg. Part No.	Description	Stock No.	Price Each
T107M-SMS-PRINTER-KIT-US	Thermal Transfer Label Printer Kit	69K1140	234.85

HEAT-SHRINK TUBING LABELING TAPE CASSETTES — 3:1 SHRINK RATIO, 1.5M LONG

Mfg. Part No.	Cable Dia. Range (mm)	Color	Stock No.	Price Each
● SMS-TMS-3.9-4	1.18 to 2.33	Yellow	78K5410	41.07
● SMS-TMS-5.2-9	1.73 to 3.73	White	78K5413	47.65
● SMS-TMS-7.9-4	2.97 to 5.13	Yellow	78K5414	49.30
● SMS-TMS-13.2-9	4.64 to 8.70	White	87K0815	52.58

FLEXIBLE NYLON-CLOTH LABELING TAPE CASSETTES — 3.5M LONG

Mfg. Part No.	Width (mm)	Color	Stock No.	Price Each
● SMS-NC-12-4	12	Yellow	78K5408	31.23
● SMS-NC-12-9	12	White	78K5409	31.23
● SMS-NC-19-9	19	White	69K1404	34.50

VINYL LABELING TAPE CASSETTES — 5.5M LONG

● SMS-V-12-4	12	Yellow	69K1411	27.01
● SMS-V-12-9	12	White	69K6621	27.50
● SMS-V-19-2	19	Red	69K1415	31.23
● SMS-V-19-4	19	Yellow	69K1417	30.92
● SMS-V-19-5	19	Green	69K1420	31.23
● SMS-V-19-9	19	White	69K1423	31.23

PERMANENT POLYESTER LABELING TAPE CASSETTE — 5.5M LONG

● SMS-WP-12-9	12	White	69K1427	27.92
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NON-ADHESIVE LABELING TAG CASSETTES — 5.5M LONG

● SMS-PPNA-6-9	6	White	69K1405	23.93
● SMS-PPNA-9-9	9	White	69K1408	24.18

(87092)

RAYCHEM HLX NEL TIE-ON CABLE MARKER TAGS



- Operating temperature: -40°C to 105°C
- Rail, industrial and marine applications

Marker dimensions W x H: 80.00 x 12.50(3.15 x 0.49) mm(inches). Printable area dimensions W x H: 60.00 x 10.50(2.35 x 0.40) mm(inches).

CABLE MARKER TAGS

Mfg. Part No.	No. of Markers Across	Color	Stock No.	Price Each
● HLX125WE2NEL60S	2	White	42M3482	72.30
● HLX125WE4NEL60S	4	White	42M3483	71.54
● HLX125YW2NEL60S	2	Yellow	42M3484	75.13
● CC0109-000	4	Yellow	58M1707	283.36

► CONTINUED ►

WIRE IDENTIFICATION & MARKING SYSTEMS

RAYCHEM HLX NEL TIE-ON CABLE MARKER TAGS (CONT.)

PRINTER

Mfg. Part No.	Description	Dimensions (H x W x D)	Stock No.	Price Each
● T212M-PRINTER	Prints crisp, high-quality text, bar codes & graphic images	171 x 200 x 247mm (6.8 x 7.9 x 9.75")	23K2408	940.19

RIBBON

● T200-RIBBON-1966	Thermal Transfer (Black Resin Ink)	Width: 110mm (4.33") Length: 74m (242ft.)	67K2418	162.12
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(94349)

RAYCHEM MFG. PART NO. T208M PORTABLE THERMAL TRANSFER PRINTER AND ACCESSORIES



Tyco Electronics

Mfg. part no. T208M standard, light-duty desktop thermal transfer printer with a 4.1" 200 dpi printhead. The lightweight design makes it ideal for applications requiring portability or in environments with multiple workstations where space is limited. For use with TMS series heat-shrinkable wire marker sleeves and thermal transfer printable pressure sensitive labeling products. Features 256KB SRAM and 512KB flash memory with parallel (Centronics) and serial (RS232) interface. Print speed: 2" per second max. Dimensions: 7.9" W x 9.75" D x 6.75" H. Order WinTotal wire marker and label printing software and other accessories separately below.



Mfg. Part No.	Description	Stock No.	Price Each
● T208M-PRINTER	Portable Thermal Transfer Printer, Standard Light-Duty	76M7974	772.49

ACCESSORIES

WinTotal wire marker and label printing software is Windows-based and PC compatible. Features powerful import and export functions, printer multi-tasking, multiple on-screen languages and WYSIWYG label design and display. Mfg. part no. TMS-101 high-durability, black-resin, thermal transfer ribbon for use on RPS and TMS-SCE series wire marker sleeve products.

Mfg. Part No.	Description	Stock No.	Price Each
TMS-WINTOTAL-SWARE	WinTotal Wire Marker and Label Printing Software	26K5987	486.26
● TMS-101-RIBBON-4RPSCE	Black Resin Thermal Transfer Ribbon for T200 Series Printers	29K8323	33.46
T200-LABEL-SPINDLE	Label Spindle for T200 Series Thermal Transfer Printers	29K8324	110.37

(84712)

RAYCHEM TMS-SCE SERIES MILITARY-GRADE HEAT-SHRINKABLE WIRE IDENTIFICATION SLEEVES



Tyco Electronics

- Permanent identification sleeves
- Computer-printable
- Lightweight for aerospace applications
- Military specification material and print performance
- 3:1 shrink ratio
- VW all flame tubing test rated
- Quick recovery for heat-sensitive areas



TMS-SCE series military-grade heat-shrinkable marker sleeves are made from durable, flame-retardant, radiation cross-linked polyolefin. Printable by dot matrix or thermal transfer printers, the marks are permanent immediately after printing and remain legible even when exposed to abrasion, aggressive cleaning solvents, and military fuels and oils. The sleeves meet the mark permanence requirements of SAE-AMS-DTL-23053/5 classes 1 and 3, as well as SAE AS81531 4.6.2 and MIL-STD-202F both before and after shrinking. Operating temperature range: -55°C to +135°C. UL recognized (Standard 224, file E35586), CSA certified (file 31929).

Mfg. Part No.	Color	Expanded ID (in.)	Recovered ID (in.)	Qty. per Roll	Stock No.	Price per Roll
● TMS-SCE-3/32-2.0-4	Yellow	0.093	0.031	250	67K9542	175.68
● TMS-SCE-3/32-2.0-9	White	0.093	0.031	250	17M9323	157.64
● TMS-SCE-3/32-2.0-S1-4*	Yellow	0.093	0.031	250	17M9321	199.24
● TMS-SCE-3/32-2.0-S1-9*	White	0.093	0.031	250	17M9322	199.24
● TMS-SCE-1/8-2.0-4	Yellow	0.125	0.042	250	67K9537	166.97
● TMS-SCE-1/8-2.0-9	White	0.125	0.042	250	41M0777	140.80
● TMS-SCE-1/8-2.0-S1-4*	Yellow	0.125	0.042	250	67K9536	210.98
● TMS-SCE-1/8-2.0-S1-9*	White	0.125	0.042	250	17M9938	210.98
● TMS-SCE-1K-1/8-2.0-9	White	0.125	0.042	1000	36C3108	596.85
● TMS-SCE-3/16-2.0-4	Yellow	0.187	0.062	250	67K9540	232.49
● TMS-SCE-3/16-2.0-9	White	0.187	0.062	250	67K9541	186.50
● TMS-SCE-3/16-2.0-S1-4*	Yellow	0.187	0.062	250	67K9538	255.69
● TMS-SCE-3/16-2.0-S1-9*	White	0.187	0.062	250	67K9539	255.69
● TMS-SCE-1K-3/16-2.0-9	White	0.187	0.062	1000	82H2157	723.64
● TMS-SCE-3/8-2.0-4	Yellow	0.375	0.125	250	41M0783	294.96
● TMS-SCE-3/8-2.0-9	White	0.375	0.125	250	41M0784	335.36
● TMS-SCE-1K-3/8-2.0-9	White	0.375	0.125	1000	41M0780	1557.64
● TMS-SCE-1/4-2.0-4	Yellow	0.250	0.083	250	67K9534	253.29
● TMS-SCE-1/4-2.0-9	White	0.250	0.083	250	67K9535	213.88

➔ CONTINUED ➔

RAYCHEM TMS-SCE SERIES MILITARY-GRADE HEAT-SHRINKABLE WIRE IDENTIFICATION SLEEVES (CONT.)

Mfg. Part No.	Color	Expanded ID (in.)	Recovered ID (in.)	Qty. per Roll	Stock No.	Price per Roll
● TMS-SCE-1/4-2.0-S1-4*	Yellow	0.250	0.083	250	67K9533	320.22
● TMS-SCE-1/4-2.0-S1-9*	White	0.250	0.083	250	17M9937	294.18
● TMS-SCE-1K-1/4-2.0-9	White	0.25	0.083	1000	41M0779	983.15
● TMS-SCE-1/2-2.0-4	Yellow	0.5	0.166	250	67K9531	407.74
● TMS-SCE-1/2-2.0-9	White	0.500	0.166	250	67K9532	364.65
● TMS-SCE-1/2-2.0-9-CS2170	White	0.5	0.166	250	41M0776	446.08
● TMS-SCE-1K-1/2-2.0-9	White	0.5	0.166	1000	41M0778	1581.97
● TMS-SCE-3/4-2.0-4	Yellow	0.75	0.25	250	41M0781	702.76
● TMS-SCE-3/4-2.0-9	White	0.75	0.25	250	41M0782	702.76
● TMS-SCE-1-2.0-9	White	1	0.333	250	41M0775	764.53
● TMS-SCE-1-1/2-2.0-9	White	1.5	0.5	250	41M0773	972.46

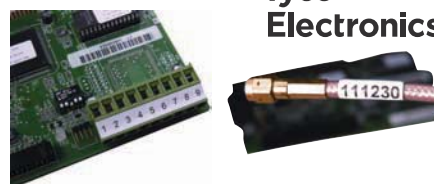
*1 perforated score (84686)

RAYCHEM NC SERIES NYLON CLOTH THERMAL TRANSFER PRINTABLE LABELS



Tyco Electronics

- Surface coating applied to enhance ink receptivity
- Flexible material conforms to curved surfaces



NC series thermal transfer printable, flexible nylon cloth labels with a permanent acrylic adhesive, are designed for application to irregular surfaces where conformability is required. Ideal for wire marking and other round or flexible surfaces such as cable and tubing. Service temperature: -40°C to +140°C. Color: white. NOTE: not recommended for outdoor use or immersion in liquid. Sold in rolls.

Mfg. Part No.	Label Width (in)	Label Height (in.)	Labels per Roll	Stock No.	Price per Roll
NC-076191-10-9	0.300	0.750	10000	29K8296	0.03
● NC-095095-10-9	0.375	0.375	10000	29K8297	0.02
● NC-127191-10-9	0.500	0.750	10000	29K8298	0.04
● NC-127365-10-9	0.500	1.437	10000	29K8299	0.08
● NC-165051-25-9	0.650	0.020	25000	29K8300	0.03
● NC-191064-10-9	0.750	0.250	10000	29K8301	0.03
● NC-191254-10-9	0.750	1.000	10000	29K8302	0.06
● NC-254097-10-9	1.000	0.380	10000	29K8303	0.04
● NC-254127-10-9	1.000	0.500	10000	29K8304	0.06
● NC-508127-5-9	2.000	0.500	5000	29K8305	0.09

(84675)

RAYCHEM T2K SERIES KAPTON® POLYIMIDE THERMAL TRANSFER PRINTABLE LABELS



Tyco Electronics

- Gloss white topcoat
- High-temperature permanent acrylic adhesive



T2K series Kapton® polyimide labels are ideal for high-temperature labeling requirements such as printed circuit boards and auto apply applications. They are suitable for direct wave (bottom side) and IR reflow (top side) PCB applications. Designed to withstand the fluxes, cleaning solvents and molten solder encountered in the manufacture of printed circuit boards. Offer excellent contrast for bar code applications. Flash exposure service temperature: +538°C (+1000°F). UL listed. Sold in rolls.

Mfg. Part No.	Label Width (in)	Label Height (in.)	Labels per Roll	Stock No.	Price per Roll
● T2K-080080-10-9	0.315	0.315	10000	29K8247	0.10
● T2K-095095-10-9	0.375	0.375	10000	29K8248	0.07
● T2K-165051-25-9	0.650	0.200	25000	29K8249	0.07
● T2K-191064-10-9	0.750	0.250	10000	29K8250	0.10
● T2K-229064-10-9	0.900	0.250	10000	29K8251	0.11
● T2K-318064-10-9	1.250	0.250	10000	29K8252	0.16
● T2K-381064-10-9	1.500	0.250	10000	29K8253	0.18

(84669)

WIRE IDENTIFICATION & MARKING SYSTEMS

RAYCHEM MP SERIES
METALIZED POLYESTER
THERMAL TRANSFER
PRINTABLE LABELS

- Metalized appearance
- Ideal for rating plate applications

MP series thermal transfer printable metalized polyester film with a permanent acrylic adhesive, designed for rating plates and other applications that require a metal look, such as nameplates, equipment labels, detailed product information labels and serial number plates. Service temperature: -40°C to +150°C. UL listed, CSA certified. **Sold in roll quantities indicated in table below.**

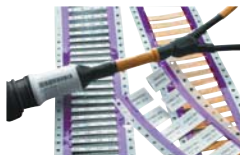


Mfg. Part No.	Label Width (in)	Label Height (in.)	Labels Per Roll	Stock No.	Price per Roll
● MP-191064-10-8A	0.750	0.250	10000	17M9308	89.04
● MP-254097-10-8A	1.000	0.380	10000	17M9309	120.84
● MP-254127-10-8A	1.000	0.500	10000	17M9310	166.95
● MP-318064-10-8A	1.250	0.250	10000	17M9311	111.30
● MP-381064-10-8A	1.500	0.250	10000	17M9312	114.48
● MP-508127-5-8A	2.000	0.500	5000	17M9314	145.49
● MP-508254-5-8A	2.000	1.000	5000	17M9315	269.51
● MP-508318-2.5-8A	2.000	1.250	2500	19M0204	145.09
● MP-699254-5-8A	2.750	1.000	5000	17M9316	314.82
● MP-762508-2.5-8A	3.000	2.000	2500	17M9317	325.16
● MP-101508-2.5-8A	4.000	2.000	2500	17M9307	466.27

(84672)

RAYCHEM RPS SERIES
COMMERCIAL-GRADE HEAT-
SHRINKABLE WIRE
IDENTIFICATION SLEEVES

- Permanent identification sleeves
- Computer-printable
- Excellent print performance
- Configured for ease of kitting
- Good chemical and solvent resistance
- 3:1 shrink ratio



RPS series commercial-grade heat-shrinkable marker sleeves are designed to meet commercial and industrial wire and cable identification needs. Made from durable, heat-shrinkable polyolefin. Meets the performance requirements of SAE-AMS-DTL-23053/5 classes 1 and 3 and SAE AS81531 4.6.2, MIL-STD-202F Method 215J specifications. A standard heat gun with reflector is used to shrink the sleeves onto the wire or cable. Operating temperature range: -30°C to +105°C. UL recognized (Standard 224, file E35586), CSA certified (file 31929).

Mfg. Part No.	AWG	Color	Expanded ID (in.)	Recovered ID (in.)	Qty. per Pkg.	Stock No.	Price per Roll
● RPS-22-18/2.0-4	22-18	Yellow	0.125	0.042	250	67K9483	81.33
● RPS-22-18/2.0-9	22-18	White	0.125	0.042	250	67K8987	78.91
● RPS-22-18/2.0-S1-4*	22-18	Yellow	0.125	0.042	250	67K9481	89.45
● RPS-22-18/2.0-S1-9*	22-18	White	0.125	0.042	250	67K9482	89.45
● RPS-22-18/2.0-S3-9+	22-18	White	0.125	0.042	250	80K8129	89.45
● RPS-1K-22-18/2.0-9	22-18	White	0.125	0.042	1000	41M0770	315.61
● RPS-18-12/2.0-4	18-12	Yellow	0.187	0.062	250	67K9479	85.30
● RPS-18-12/2.0-9	18-12	White	0.187	0.062	250	67K9480	85.30
● RPS-18-12/2.0-S1-4*	18-12	Yellow	0.187	0.062	250	67K9477	93.79
● RPS-18-12/2.0-S1-9*	18-12	White	0.187	0.062	250	67K9478	93.79
● RPS-16-10/2.0-4	16-10	Yellow	0.250	0.083	250	67K9475	90.48
● RPS-16-10/2.0-9	16-10	White	0.250	0.083	250	67K9476	90.48
● RPS-16-10/2.0-S1-4*	16-10	Yellow	0.250	0.083	250	67K9473	99.49
● RPS-16-10/2.0-S1-9*	16-10	White	0.250	0.083	250	67K9474	99.49
● RPS-10-2/2.0-4	10-2	Yellow	0.500	0.166	250	67K9471	207.64
● RPS-10-2/2.0-9	10-2	White	0.500	0.166	250	67K9472	207.64
● RPS-8-4/2.0-9	8-4	White	0.375	0.125	250	41M0771	153.55

*1 perforated score; + 3 perforated scores
(84691)



(148830)

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RAYCHEM TW SERIES DOT
MATRIX PRINTABLE SELF-
LAMINATING LABELS

- White coated area for printing or writing on
- Clear vinyl wrap to wind around a wire or cable over the printed surface
- Seals out impurities that would cause the label to become illegible
- Protects printed information from chemicals and frequent handling
- Designed to withstand exposure to oil, solvents, and water
- Can also be flagged around a wire rather than wrapped



TW series dot matrix printable translucent vinyl film labels feature permanent acrylic adhesive. Supplied with a white printable area, which is over-laminated upon application with the translucent portion of the label. This "self-laminating" feature protects the printed area from exposure to oil, solvents, water and abrasion. Offer excellent conformability to round, irregular or flexible surfaces, and are ideal for wire and cable identification, including flat ribbon cable that are subject to repeated bending. Operating temperature: -40°C to +80°C. Color: white. UL listed, CSA certified. **Sold in package quantities listed below.**

Mfg. Part No.	Label Width (in)	Label Height (in.)	Pkg. of	Stock No.	Price per Pkg.
● N-TW10	0.500	1.437	10000	29K8331	379.32
● O-TW10	1.000	1.437	10000	29K8332	846.93
● R-TW5	1.000	2.250	5000	29K8333	665.45
● T-TW2.5	1.000	3.750	2500	29K8334	611.49

(84681)

RAYCHEM SB SERIES THERMAL
TRANSFER PRINTABLE SELF-
LAMINATING LABELS

- White coated area for printing or writing on
- Clear vinyl wrap to wind around a wire or cable over the printed surface
- Seals out impurities that would cause the label to become illegible
- Protects printed information from chemicals and frequent handling
- Designed to withstand exposure to oil, solvents, and water
- Can be flagged around a wire rather than wrapped



SB series thermal transfer printable, translucent vinyl film labels with a permanent acrylic adhesive. Supplied with a white printable area, which is over-laminated upon application with the translucent portion of the label. This "self-laminating" feature protects the printed area from exposure to oil, solvents, water and abrasion. Offer excellent conformability to round, irregular or flexible surfaces and are ideal for wire and cable identification, including flat ribbon cable that are subject to repeated bending. Operating temperature range: -54°C to +82°C. Color: white printable area. UL listed, CSA certified. **Sold individually.**

Mfg. Part No.	Label Width (in)	Label Height (in.)	Labels per Roll	Stock No.	Price per Label
● SB050100WE10	0.5	1	10000	29K8337	0.05
● SB050143WE10	0.5	1.437	10000	29K8338	0.06
● SB075094WE10	0.75	0.94	10000	29K8339	0.06
● SB080150WE10	0.8	1.5	10000	29K8340	0.10
● SB100143WE5	1	1.437	5000	29K8341	0.08
● SB100375WE2.5	1	3.75	2500	29K8343	0.26
● SB100594WE1	1	5.94	1000	29K8344	0.52
● SB100743WE1	1	7.437	1000	29K8345	0.60
● SB190319WE2.5	1.9	3.19	2500	29K8346	0.28
● SB190594WE1	1.9	5.94	1000	29K8347	0.79
● SB200225WE2.5	2	2.25	2500	29K8348	0.34
● SB200375WE2.5	2	3.75	2500	29K8349	0.51
● SB200743WE1	2	7.437	1000	29K8350	1.12

(84682)

RAYCHEM WP SERIES WHITE
POLYESTER THERMAL
TRANSFER PRINTABLE LABELS

- Ideal for use in PCB component labeling and bar code applications
- Ink receptive topcoat



WP series white, polyester film thermal transfer printable labels with a permanent acrylic adhesive. Ideal for bar coding, PCB and component labeling, as well as, general-purpose labeling applications that require a high durability white label. Resistant to a variety of solvents while maintaining print quality. Service temperature: -40°C to +150°C. Color: white. UL listed, CSA certified. **Sold in rolls.**

Mfg. Part No.	Label Width (in)	Label Height (in.)	Labels per Roll	Stock No.	Price per Label
● WP-080080-10-9	0.315	0.315	10000	29K8480	0.02
● WP-095095-10-9	0.375	0.375	10000	29K8481	0.01
● WP-101508-2.5-9	4.000	2.000	2500	29K8482	0.28
● WP-127111-10-9	0.500	0.437	10000	29K8483	0.02

➤ CONTINUED ➤

WIRE IDENTIFICATION & MARKING SYSTEMS

RAYCHEM WP SERIES WHITE POLYESTER THERMAL TRANSFER PRINTABLE LABELS (CONT.)

Mfg. Part No.	Label Width (in)	Label Height (in.)	Labels per Roll	Stock No.	Price per Label
● WP-165051-25-9	0.650	0.200	25000	29K8484	0.02
● WP-191064-10-9	0.750	0.250	10000	29K8485	0.09
● WP-229064-10-9	0.900	0.250	10000	29K8486	0.02
● WP-254097-10-9	1.000	0.380	10000	29K8487	0.02
● WP-254127-10-9	1.000	0.500	10000	29K8488	0.03
● WP-318064-10-9	1.250	0.250	10000	29K8489	0.02
● WP-381064-10-9	1.500	0.250	10000	29K8490	0.02
● WP-381191-5-9	1.500	0.750	5000	29K8491	0.05
● WP-508064-10-9	2.000	0.250	10000	29K8492	0.03
● WP-508127-5-9	2.000	0.500	5000	29K8493	0.05
● WP-508254-5-9	2.000	1.000	5000	29K8494	0.07
● WP-699254-5-9	2.750	1.000	5000	29K8495	0.09
● WP-762254-5-9	3.000	1.000	5000	29K8496	0.10
● WP-762508-2.5-9	3.000	2.000	5000	29K8497	0.18

(846719)

RAYCHEM CM-SCE SERIES POLYOLEFIN TIE-ON CABLE MARKER TAGS

- Side-entry provides access to big size wire bundles as well as retrofit and repair capability
- Highly flame-retardant
- Highly resistant to abrasion, mechanical abuses, fluids, lubricants and solvents
- Standard cable tie-wraps install markers
- Excellent print permanence when printing on the rough side of marker



CM-SCE series polyolefin tie-on cable marker tags are flat, rigid, non-adhesive labels that can be used to identify large cable and wire bundles in environments such as military and aerospace. Marker tags feature 4 tie-wrap holes and are easily applied to cable or wire bundles with standard cable ties. Print performance meets or exceeds the requirements of SAE AS81531 4.6.2 and MIL-STD-202F, Method 215J. Operating temperature range: -55°C to +135°C. Color: white. Sold in rolls of 250 tags.

Mfg. Part No.	Label Size (in.)	Markable Height (in.)	Markable Length (in)	Stock No.	Price per Roll
● CM-SCE-TP-1/4-4H-9	0.250	0.25	2	17M9922	114.59
● CM-SCE-TP-1/2-4H-9	0.500	0.50	2	17M9921	156.09
● CM-SCE-1/2-4H-9	0.500	0.50	2	41M0765	129.77

(84713)

SOLAR INSTALLATION IDENTIFICATION LABELS



Tyco Electronics introduces label solutions for Solar Panel Installation per the National Electric Code (NEC) specification. Labels are manufactured using ultraviolet (UV) resistant ink, permanent acrylic adhesive and base material designed to withstand environmental elements. A laminate is added to further add protection against prolonged UV exposure. Recommended for use in identification of DC Disconnects and Inverters. For use on painted smooth metal and textured metal surfaces. Excellent durability in extreme outdoor elements such as UV, rain, humidity, cold and salt spray

Mfg. Part No.	Legend	Height (mm)	Width (mm)	Stock No.	Price Each 1-4
60284-4-SOLAR-01	Solar Disconnect WARNING - Electrical Shock Hazard, DO NOT TOUCH TERMINALS, Terminals on both Line and Load sides may be energized in the Open Position.	76.3	104.6	78M6677	1.56
60284-2-SOLAR-04	WARNING - Dual Power Sources Second source is photovoltaic system	19	104.6	78M6678	0.38
60284-1-SOLAR-03	WARNING - Electric Shock Hazard No user serviceable parts inside, Contact authorized servicer for assistance	19	104.6	78M6679	0.38
60284-3-SOLAR-02	DC Disconnect WARNING - Electrical Shock Hazard, DO NOT TOUCH TERMINALS, Terminals on both Line and Load sides may be energized in the Open Position. DC VOLTAGE IS ALWAYS PRESENT WHEN SOLAR MODULES ARE EXPOSED TO SUNLIGHT	100.7	104.6	78M6680	1.68

(106837)

RAYCHEM QCC SERIES SMALL CIRCULAR COVERALL VINYL CALIBRATION LABELS



QCC351 — Black



QCC351 — Light Blue



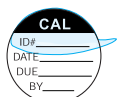
QCC351 — Light Green



QCC351 — Orange



QCC351 — Yellow



QCC359 — Black Only

- Small circular size
- 5 colors for color control of calibration interval
- Self-laminating clear cover
- Easy to write on

Ideal for use when space is limited on instruments. All labels have preprinted text and provide blanks to record standard information. Features a clear, self-laminating cover that protects data from tampering, weathering, smearing, chemicals and abrasion. Cover is hinged at top so label is easier to write on. Sold in books of 200 labels, one color per book.

Mfg. Part No.	Label Legend	Color	Dia. (in.)	Stock No.	Price per Book 1-4
QCC351BK	CAL/BY/DATE/DUE	Black on White	0.50	29K8394	39.84
QCC351LB	CAL/BY/DATE/DUE	Light Blue on White	0.50	29K8395	39.84
QCC351LG	CAL/BY/DATE/DUE	Light Green on White	0.50	29K8396	39.84
QCC351OR	CAL/BY/DATE/DUE	Orange on White	0.50	29K8397	39.84
QCC351YW	CAL/BY/DATE/DUE	Yellow on White	0.50	29K8398	39.84
QCC359*	CAL/ID#/DATE/DUE/BY	Black on White*	0.625	29K8399	39.84

*Available only in black on white (84840)

RAYCHEM MQC205 AND MQC555 SERIES VINYL STANDARD CALIBRATION LABELS



AVAILABLE COLORS
BK, BR, BU, GR, GB, LY, LB, LG, MG, OR, PK, RD, VT, YL

- 2 sizes
- 13 colors for color control of calibration interval
- Easy to write or stamp on
- Pressure-sensitive, adhesive backing
- Easy removal from backing
- Easy to pick up and reposition



MQC555 Series Small-Size — Magenta (MG)



MQC205 Series Large-Size — Magenta (MG)

Both label sizes feature preprinted text and provide blanks to record standard information.

LARGE-SIZE 2.00"W x 0.625"H LABELS

MQC205 series large-size standard calibration labels with legend: CALIBRATION/I.D. No./By/Date/Due. Sold in books of 130, 1 color per book. Also available mfg. part no. MQC205ZC multicolor pack consisting of 156 labels per pack, supplied 1 sheet of each color, 13 colors per pack.

Mfg. Part No.	Color	Labels per Book	Stock No.	Price per Book 1-14
MQC205BR	Brown	130	29K8367	14.87
MQC205BU	Blue	130	29K8368	14.49
MQC205GR	Green	130	29K8369	14.43
MQC205GY	Gray	130	29K8370	14.43
MQC205LB	Light Blue	130	29K8371	14.87
MQC205LG	Light Green	130	29K8372	14.87
MQC205MG	Magenta	130	29K8373	14.43
MQC205OR	Orange	130	29K8374	14.43
MQC205PK	Pink	130	29K8375	14.43
MQC205RD	Red	130	29K8376	14.87
MQC205VT	Violet	130	29K8377	14.87
MQC205YW	Yellow	130	29K8378	14.87
MQC205ZC	Multi	156	29K8379	19.12

SMALL-SIZE 1.00"W x 0.50"H LABELS

MQC555 series small-size standard calibration labels with legend: CALIBRATION/BY/DATE/DUE/ID. Sold in book of 160, 1 color per book. Also available mfg. part no. MQC555ZC multicolor pack consisting of 390 labels per pack, supplied 1 sheet of each color, 13 colors per pack.

Mfg. Part No.	Color	Labels per Book	Stock No.	Price per Book 1-9
MQC555BK	Black	160	29K8380	13.47
MQC555BR	Brown	160	29K8381	14.87
MQC555BU	Blue	160	29K8382	14.87
MQC555GR	Green	160	29K8383	14.87
MQC555GY	Gray	160	29K8384	11.15
MQC555LB	Light Blue	160	29K8385	14.87
MQC555LG	Light Green	160	29K8386	11.15

➔ CONTINUED ➔

WIRE IDENTIFICATION & MARKING SYSTEMS

RAYCHEM MQC205 AND MQC555 SERIES VINYL STANDARD CALIBRATION LABELS (CONT.)

SMALL-SIZE 1.00"W x 0.50"H LABELS

Mfg. Part No.	Color	Labels per Book	Stock No.	Price per Book
				1-14
MQC555MG	Magenta	160	29K8387	11.15
MQC555OR	Orange	160	29K8388	14.87
MQC555RD	Red	160	29K8390	14.87
MQC555VT	Violet	160	29K8391	14.87
MQC555YW	Yellow	160	29K8392	14.87
MQC555ZC	Multi	390	29K8393	21.03

(84836)

RAYCHEM VINYL INSPECTION AND CALIBRATION-RELATED LABELS



ACCEPTED

BY _____ DATE _____

QC101 — Green

ACCEPTED / ACEPTADO

BY/POR _____ DATE/FECHA _____

QC101S — English/Spanish, Green

CALIBRATION

BY _____ DATE _____

DUE _____ I.D.# _____

QC105 — Green

REJECTED

BY _____ DATE _____

QC130 — Red

CALIBRATED

BY _____ DATE _____

DUE _____

QC155 — Black

CALIBRATION/CALIBRACION

BY/POR _____ DATE/FECHA _____

DUE/VENCE _____ ID#/NO. ID _____

QC105S — English/Spanish, Green

- Easy to write or stamp on
- Pressure sensitive adhesive backing
- Easy removal from backing

- Easy to pick up and reposition with minimal adhesive residue
- Fade-resistant to UV light
- Combination English/Spanish text versions

All label styles feature preprinted text and provides blanks to record standard information. **Sold in books of 160 labels, one color per book. Order mfg. part no. Q200AC clear general-purpose polyethylene protective label covers or mfg. part no. QC210AC clear vinyl protective label covers separately below.** These adhesive-backed covers apply easily over labels to protect data from tampering, weathering, smearing, chemicals and abrasion. **Mfg. part no. QC210AC vinyl covers offer best protection against cutting oils and coolants. Sold in boxes of 200 covers.**

INSPECTION LABELS

Mfg. Part No.	Label Legend	Color	W x H (in.)	Stock No.	Price per Book
QC101	ACCEPTED/BY/DATE	Green	2.00 x 0.50	29K8356	15.07
QC101S	ACCEPTED/ACEPTADO/BY/POR/DATE/FECHA	Green	2.00 x 0.50	29K8357	15.07
QC115	PASSED INSPECTION/BY/DATE	Green	2.00 x 0.50	29K8360	15.07
QC115S	PASSED INSPECTION/INSPECCION PASADA/BY/POR/DATE/FECHA	Green	2.00 x 0.50	29K8361	15.07
QC130	REJECTED/BY/DATE	Red	2.00 x 0.50	29K8362	15.07

CALIBRATION-RELATED LABELS

QC105	CALIBRATION/BY/DATE/DUE/I.D.#	Green	2.00 x 0.50	29K8358	15.07
QC105S	CALIBRACION/CALIBRACION/BY/POR/DATE/FECHA/DUE/VENCE/I.D.#/NO. ID	Green	2.00 x 0.50	29K8359	15.07
QC155	CALIBRATED/BY/Date/Due	Black	2.00 x 0.50	29K8363	15.07

CLEAR PROTECTIVE LABEL COVERS

Mfg. Part No.	Description	W x H (in.)	Stock No.	Price per Book
QC200AC	Clear Polyethylene Protective Label Covers	2.00 x 0.625	29K8240	11.77
QC210AC	Clear Vinyl Protective Label Covers	2.25 x 0.875	29K8400	34.03

(84832)

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(148858)

RAYCHEM DURABLE ALUMINUM AND PLASTIC CLOTH CALIBRATION LABELS



CALIBRATION

I.D. No. _____ Date _____

By _____ Due _____

Aluminum — QC450AM Blue

CALIBRATION

I.D. No. _____ Date _____

By _____ Due _____

Aluminum — QC450AM Green

Durable 0.04mm Aluminum Labels

- Withstand heavy use and exposure to the elements
- Pens, pencils and typewriters leave permanent impression
- Resistant to high temperature, water, grease, oil, solvents and moisture
- Size: 2.00"W x 0.625"H

Durable Plastic Cloth Labels

- Resistant to tearing, high temperature, water, humidity and chemicals
- Fade-resistant to UV light
- Size: 1.00"W x 0.625"H

Both label styles feature preprinted text and provides blanks to record standard information. Labels have tough, permanent adhesive backing to grip surfaces more aggressively. **Sold in books of 130 labels, one color per book. Order mfg. part no. Q200AC clear polyethylene protective label covers separately below.** These adhesive-backed covers apply easily over labels to protect data from tampering, weathering, smearing, chemicals and abrasion. **Sold in boxes of 200 covers.**

DURABLE ALUMINUM LABELS

Mfg. Part No.	Label Legend	Color	Stock No.	Price per Pkg.
QC450AMBU	CALIBRATION/I.D. No./By/Date/Due	Blue on White	29K8241	19.86
QC450AMGR	CALIBRATION/I.D. No./By/Date/Due	Green on White	29K8242	19.86
QC450AMOR	CALIBRATION/I.D. No./By/Date/Due	Orange on White	29K8243	19.86
QC450AMRD	CALIBRATION/I.D. No./By/Date/Due	Red on White	29K8244	19.86

DURABLE PLASTIC CLOTH LABELS

QPC01	CALIBRATION/By/Date/Due/ID	Green on White	29K8245	23.13
QC200AC	Clear Polyethylene Protective Label Covers		29K8240	11.77

(84824)

RAYCHEM QLL SERIES PAPER INSPECTION AND CONTROL LABELS



ACCEPTED

BY _____ DATE _____

QLL401 — Green on White

HOLD FOR INSPECTION

BY _____ DATE _____

QLL407 — Black on Rust

REJECT

BY _____ DATE _____

QLL412 — Red on White

QUALITY RECORD

DO NOT DESTROY

DATE _____

QLL421 — Red on Rust

- Easy to write or stamp on
- Pressure sensitive, permanent adhesive backing
- For indoor use only

QLL series matte litho paper labels feature preprinted text, each style helps solve a different set of problems and provides blanks to record standard information. Packaged in handy dispenser box. Label size: 2.00"W x 0.75"H. **Order mfg. part no. QLLCOVER clear acetate protective covers separately below.** These adhesive-backed covers apply easily over paper labels to protect written information. **Sold in rolls of 1000.**

Mfg. Part No.	Label Legend	Color	Stock No.	Price per Roll
QLL401	ACCEPTED/BY/DATE	Green on White	29K8307	29.08
QLL402	INSPECTED OK/BY/DATE	Green on White	29K8308	29.08
QLL403	MATERIAL APPROVED/BY/DATE	Green on White	29K8309	29.08
QLL405	TESTED/BY/DATE	Green on White	29K8310	25.72
QLL406	CALIBRATION/BY/DATE/DUE/#	Green on White	29K8311	25.72
QLL417	CERTIFIED/BY/DATE	Green on White	29K8317	25.72
QLL420	FIRST PIECE CHECKED/BY/DATE	Green on White	29K8319	25.72
QLL407	HOLD FOR INSPECTION/BY/DATE	Black on Rust	29K8312	25.72
QLL408	HOLD/BY/DATE	Black on Rust	29K8313	25.72
QLL409	REPAIR/REWORK REQUIRED/BY/DATE	Black on Rust	29K8314	25.72
QLL418	LIMITED CALIBRATION/BY/DATE	Black on Rust	29K8318	25.72
QLL412	REJECT/BY/DATE	Red on White	29K8315	25.72
QLL421	QUALITY RECORD/DO NOT DESTROY/DATE	Red on Rust	29K8320	25.72
QLLCOVER	Clear Protective Covers for Paper Labels		29K8306	33.82

(84822)