

Cable & Wire

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Prototyping Wire

Tinned Copper Wire



- Suitable for shorting links, discrete wiring, PCB track repairs etc. Conforms to **BS4109**



SWG (approx.)	Reel Size	Fuse Rating	Diameter (approx.)	Length (approx.)	Mfrs. List No.	Order Code
35	250g	5A	0.213	785m	TCW35 250G	123-0989
25	250g	15A	0.508	138m	TCW25 250G	123-0990
24	500g	17A	0.559	230m	TCW24 500G	123-0991
22	500g	24A	0.711	140m	TCW22 500G	123-0993
21	250g	30A	0.812	54m	TCW21 250G	123-0994
20	500g	33A	0.914	86m	TCW20 500G	123-0995
18	500g	45A	1.219	48m	TCW18 500G	123-0996
16	500g	70A	1.626	27m	TCW16 500G	123-0997

224020

250g or 500g Reels

SWG (approx.)	Reel Size	Order Code	Price Per Reel
35	250g	123-0989	
25	250g	123-0990	
24	500g	123-0991	
22	500g	123-0993	
21	250g	123-0994	
20	500g	123-0995	
18	500g	123-0996	
16	500g	123-0997	

Wiring Pencil Wire (Insulated)

1/0.15mm (38 SWG)



- A range of QSE (quick soldering enamel), polyurethane enamelled wire conforming to **BS4520 Part 1**
- The wire requires a soldering iron temperature of 400°C+ to remove the enamel. (Weller bit temperature code 8 or 9).

Warning: During the soldering process the polyurethane coating can produce small amounts of (T.D.I.) toluene di-isocyanate. Fume extraction may be required to ensure permitted safety levels are not exceeded, i.e. (0.02 ppm).

Insulation thickness (min.)	0.012mm (38 SWG) Grade 2.	Insulation breakdown	1500V RMS
	0.014mm (36 SWG) Grade 2.	Current rating	82mA (38 SWG)
Resistance	0.967Ω/m		131mA (36 SWG)

208047

38 SWG (4 x 34m Spools Per Pack)

Price Per Pack

Colour	Order Code
Copper x 4	146-182
Green x 4	146-183
Pink x 4	146-184

36 SWG (4 x 34m Spools Per Pack)

Violet x 4	148-731
Copper x 4	148-732
Pink x 4	148-734

Over 500 000 products available online



Enamelled Copper Wire



- Coated in self-fluxing polyurethane, conforming to **BS4520 Grade 2** (now incorporated within **BS6811** Section 1, Pt.3)
- Suitable for coil forming and prototyping wire.

Maximum continuous temperature 120°C
Suitable soldering temperature 400-480°C
Warning: During the soldering process the polyurethane coating can produce small amounts of (T.D.I.) toluene di-isocyanate. Fume extraction may be required to ensure permitted safety levels are not exceeded, ie 0.02 p.p.m.

SWG (approx.)	Current Rating	Diameter	Length (approx.)	Order Code
35/36	48mA	0.2	1850m	123-0974
34/35	61mA	0.224	1430m	123-0975
33	76mA	0.25	1120m	123-0976
30	120mA	0.315	720m	123-0977
27	194mA	0.4	450m	123-0978
25	304mA	0.5	290m	123-0981
24	381mA	0.56	230m	123-0982
22	613mA	0.71	140m	123-0983
21	779mA	0.8	125m	123-0984
19	1.21A	1	70m	123-0985
18	1.91A	1.25	47m	123-0986
16/17	2.74A	1.5	32m	123-0987

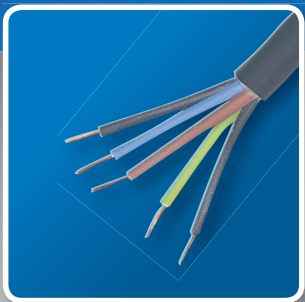
500g Reels

Price Per Reel

SWG (approx.)	Order Code
35/36	123-0974
34/35	123-0975
33	123-0976
30	123-0977
27	123-0978
25	123-0981
24	123-0982
22	123-0983
21	123-0984
19	123-0985
18	123-0986
16/17	123-0987

208145

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Prototyping Wire

Wire Wrap – Kynar® and Tefzel®



Tin or Silver plated, single copper wire which is available with either Tefzel® or Kynar® insulation, suitable for a wide range of hand and automatic (cut strip and wrap) wire wrapping applications.

- Voltage Rating: 300V
- Manufactured to MIL-Q-9858A

Size	Operating temperature	Conductor Size	CSA	Nominal Outside Dia
30AWG	-60 to 105°C	1 / 0.25mm	0.05mm ²	0.5mm
26AWG	-60 to 105°C	1 / 0.4mm	0.128mm ²	0.69mm
30AWG	-90 to 150°C	1 / 0.25mm	0.05mm ²	0.54mm
26AWG	-60 to 150°C	1 / 0.4mm	0.128mm ²	0.69mm

336067

Colour	Reel Length	Order Code	Price Per Reel
Kynar® - 30 AWG (Silver Plated)			
Black	100m	143-381	
Black	500m	143-391	
Red	100m	120-2477	
Red	500m	120-2478	
Yellow	100m	120-2481	
Yellow	500m	120-2482	
Green	100m	120-2483	
Green	500m	120-2484	
Blue	100m	143-379	
Blue	500m	143-386	
White	100m	143-382	
White	500m	143-388	
Orange	100m	120-2485	
Violet	100m	150-078	

Colour	Reel Length	Order Code	Price Per Reel
Tefzel® - 30 AWG (Tin Plated)			
Black	100m	120-2486	
Red	100m	120-2487	
Yellow	100m	120-2489	
Green	100m	120-2490	
Blue	100m	120-2491	
White	100m	120-2493	

Colour	Reel Length	Order Code	Price Per Reel
Kynar® 26 AWG (Silver Plated)			
Black	100m	150-080	
Red	100m	120-2494	
Green	100m	120-2495	
Blue	100m	150-085	
White	100m	150-087	

Colour	Reel Length	Order Code	Price Per Reel
Tefzel® - 26 AWG (Tin Plated)			
Black	100m	120-2496	
Red	100m	120-2497	
Green	100m	120-2498	
Blue	100m	120-2499	
White	100m	120-2500	

Equipment Wire - Solid Core

Bus Bar Wire



- Electrolytic Soft Drawn and Annealed Solid Tin Plated Copper
- MIL-W-3861 Type S (Inactive Military Specification) and QQ-W-343 Type S Specifications
- 30.5m Reel

450344

Wire Size	Nominal Outside Dia.	Alpha Wire Part No.	Order Code	Price Per Reel
26AWG	0.41mm	299/1	130-2721	
18AWG	1.02mm	296	130-2720	
16AWG	1.3mm	295	130-2719	
14AWG	1.62mm	286	130-2718	

1/0.6mm (0.28mm²)



- PVC insulated tinned copper conductor to DEF61-12 (Part 6) Type 2, and BS4808 Part 2

Nominal outside diameter	1.2mm	Voltage rating	1000V RMS
Wall thickness	0.3mm	Nominal current rating	1.8A @ 70°C

100m Reels

Colour	Order Code	Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	121-9335	Orange	121-9338	Blue	121-9343	White	121-9346
Brown	121-9336	Yellow	121-9341	Violet	121-9344	Pink	121-9347
Red	121-9337	Green	121-9342	Grey	121-9345		

100m Reel Kit

1 — 100m reel each colour, Black to Pink

Order Code

121-9348

Price Per Reel

208361

100m All Colours ●

Price Per Kit

100m Reel Kit ●

1/0.80mm Solid Heat Resistant Cable - BS6004



- Fixed wiring cables, commonly used in applications such as gear-tray wiring in fluorescent light fittings and general wiring within the lighting industry
- Suitable for use at conductor temperatures not exceeding 90°C
- Class 1, Plain annealed copper conductor
- PVC Insulated to BS7655 and IEC60227-1
- Conforms to BS6004 Table 12 and IEC60227-1
- Available on 100m and 500m reels
- It is recommended that PVC-Insulated cable is shielded from ultra-violet radiation

Conductor	1/0.5mm ² plain annealed copper	Insulation resistance	0.015MΩkm @ 90°C
Insulation thickness	0.60mm	Maximum temperature rating	90°C
Voltage rating	300/300V	Nominal overall diameter	2.05mm

338544

Price Per Reel

Order Code	Colour	Reel Length	Price Per Reel
118-6471	White	100m	
118-6473	White	500m	
118-6475	Blue	100m	
118-6476	Blue	500m	
118-6477	Brown	100m	
118-6479	Green / Yellow	100m	
118-6481	Red	100m	
118-6483	Black	100m	
118-6484	Black	500m	

Equipment Wire - Tinned Stranded to BS4808

Equipment Wire



PVC insulated equipment wires intended for the internal wiring of electrical and electronic equipment.

- PVC insulated tinned copper conductors to DEF61-12 (Part 6) Type 2 (1000V) or Type 3 (1500V) and BS4808 Part 2.
- Various colours available

	10 / 0.1mm	7 / 0.2mm	16 / 0.2mm	16 / 0.2mm	24 / 0.2mm	24 / 0.2mm	32 / 0.2mm	63 / 0.2mm
Nom. outside dia.	Type 2 1.05	Type 2 1.2	Type 2 1.6	Type 3 2.13	Type 2 2.05	Type 3 2.34	Type 3 2.52	Type 3 3
Wall thickness	0.3	0.3	0.3	0.6	0.45	0.6	0.6	0.6
Voltage rating rms	1000	1000	1000	1500	1000	1500	1500	1500
Current rating @ 70°C	500mA	1.4A	3A	3A	4.5A	4.5A	6A	11A

10/0.1mm Type 2 (0.078mm²)

Conductor 10/0.1mm

Colour	Order Code	Price Per Reel
100m Reels		
Black	117-2853	
Brown	117-2854	
Red	117-2855	
Orange	117-2856	
Yellow	117-2857	
Green	117-2858	
Blue	117-2859	
Pink	117-2860	

Equipment Wire - Tinned Stranded to BS4808 - continued

10/0.1mm Type 2 (0.078mm²) - continued

Conductor 10/0.1mm

Colour	Order Code	Price Per Reel
100m Reels		
Grey	117-2861 ●	
White	117-2862 ●	
Violet	117-2863 ●	
500m Reels		
Red	117-2865 ●	
Yellow	117-2866 ●	
Green	117-2867 ●	
Blue	117-2868 ●	

7/0.2mm Type 2 (0.22mm²) Plain Colours

Conductor 7/0.2mm

Colour	Order Code	Price Per Reel
100m Reels		
Black	121-9323 ●	
Brown	121-9324 ●	
Red	121-9325 ●	
Orange	121-9326 ●	
Yellow	121-9328 ●	
Green	121-9329 ●	
Blue	121-9330 ●	
Violet	121-9331 ●	
Grey	121-9332 ●	
White	121-9333 ●	
Pink	121-9334 ●	
500m Reels		
Black	117-2870 ●	
Brown	117-2871 ●	
Red	117-2872 ●	
Orange	117-2873 ●	
Yellow	117-2874 ●	
Green	117-2875 ●	
Blue	117-2877 ●	
Violet	117-2878 ●	
Grey	117-2879 ●	
White	117-2880 ●	
Pink	117-2881 ●	
Kit containing 1 of each colour (11x 100m Reels)		
Black to Pink	117-2882 ●	

7/0.2mm Type 2 (0.22mm²) Bi-Colours

Conductor 7/0.2mm

Colour	Order Code	Price Per Reel
100m Reels		
Red / Black	117-2883 ●	
Red / Brown	117-2884 ●	
Red / Green	117-2885 ●	
Red / Blue	117-2886 ●	
Orange / Black	117-2887 ●	
Orange / Red	117-2889 ●	
Yellow / Black	117-2891 ●	
Yellow / Red	117-2892 ●	
Yellow / Green	117-2893 ●	
Green / Red	117-2894 ●	
Violet / Red	117-2895 ●	
Grey / Black	117-2896 ●	
Grey / Blue	117-2897 ●	
White / Black	117-2898 ●	
White / Red	117-2899 ●	
Pink / Black	117-2900 ●	
Green / Yellow	117-2901 ●	
Purple / Red	117-2902 ●	

16/0.2mm Type 2 (0.5mm²) Plain Colours

Conductor 16/0.2mm

Colour	Order Code	Price Per Reel
100m Reels		
Black	117-2904 ●	
Brown	117-2905 ●	
Red	117-2907 ●	
Orange	117-2908 ●	
Yellow	117-2909 ●	
Green	117-2910 ●	
Blue	117-2911 ●	
Violet	117-2912 ●	

Conductor 16/0.2mm

Colour	Order Code	Price Per Reel
100m Reels		
Grey	117-2913 ●	
White	117-2914 ●	
Pink	117-2915 ●	
500m Reels		
Black	117-2916 ●	
Brown	117-2917 ●	
Red	117-2919 ●	
Orange	117-2921 ●	
Yellow	117-2922 ●	
Green	117-2923 ●	
Blue	117-2924 ●	
Violet	117-2925 ●	
Grey	117-2926 ●	
White	117-2927 ●	
Pink	117-2928 ●	
Kit containing 1 of each colour (11x 100m Reels)		
Black to Pink	117-2929 ●	

16/0.2mm Type 2 (0.5mm²) Bi-Colours

Conductor 16/0.2mm

Colour	Order Code	Price Per Reel
100m Reels		
Red / Black	117-2930 ●	
Red / Brown	117-2932 ●	
Red / Green	117-2933 ●	
Red / Blue	117-2934 ●	
Orange / Black	117-2935 ●	
Orange / Red	117-2936 ●	
Yellow / Black	117-2937 ●	
Yellow / Red	117-2938 ●	
Yellow / Green	117-2939 ●	
Green / Red	117-2940 ●	
Violet / Red	117-2941 ●	
Grey / Black	117-2942 ●	
Grey / Blue	117-2944 ●	
White / Black	117-2945 ●	
White / Red	117-2946 ●	
Pink / Black	117-2947 ●	
Green / Yellow	117-2948 ●	
Purple / Red	117-2949 ●	
500m Reels		
Green / Yellow	117-2950 ●	

16/0.2mm Type 3 (0.5mm²)

Conductor 16/0.2mm

Colour	Order Code	Price Per Reel
100m Reels		
Black	117-2952 ●	
Brown	117-2953 ●	
Red	117-2954 ●	
Orange	117-2956 ●	
Yellow	117-2957 ●	
Green	117-2958 ●	
Blue	117-2959 ●	
Violet	117-2960 ●	
Grey	117-2961 ●	
White	117-2962 ●	
Pink	117-2963 ●	
Green / Yellow	117-2964 ●	

24/0.2mm Type 2 (0.75mm²)

Conductor 24/0.2mm

Colour	Order Code	Price Per Reel
100m Reels		
Black	117-2965 ●	
Brown	117-2966 ●	
Red	117-2968 ●	
Orange	117-2969 ●	
Yellow	117-2970 ●	
Green	117-2971 ●	
Blue	117-2972 ●	
Violet	117-2973 ●	
Grey	117-2974 ●	
White	117-2975 ●	
Pink	117-2976 ●	
Green / Yellow	117-2977 ●	
Yellow / Green	117-2978 ●	

Conductor 24/0.2mm		
Colour	Order Code	Price Per Reel
100m Reels		
500m Reels		
Black	117-2981	
Red	117-2982	
Blue	117-2984	
Grey	117-2985	
White	117-2986	
Pink	117-2989	

24/0.2mm Type 3 (0.75mm²)

Conductor 24/0.2mm		
Colour	Order Code	Price Per Reel
100m Reels		
Black	117-2995	
Brown	117-2996	
Red	117-2997	
Orange	117-2998	
Yellow	117-2999	
Green	117-3000	
Blue	117-3001	
Violet	117-3002	
Grey	117-3003	
White	117-3004	
Pink	117-3006	
Green / Yellow	117-3007	
500m Reels		
Black	117-3008	
Red	117-3009	
White	117-3011	

32/0.2mm Type 3 (1.0mm²)

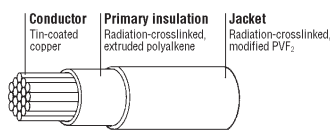
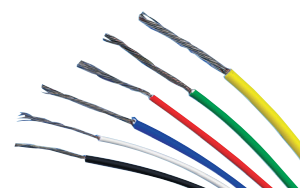
Conductor 32/0.2mm		
Colour	Order Code	Price Per Reel
100m Reels		
Black	117-3012	
Brown	117-3013	
Red	117-3014	
Orange	117-3015	
Yellow	117-3016	
Green	117-3018	
Blue	117-3019	
Violet	117-3020	
Grey	117-3021	
White	117-3022	
Pink	117-3023	
Green / Yellow	117-3024	
Yellow / Green	117-3025	
500m Reels		
Black	117-3026	
Red	117-3027	
Blue	117-3031	
Brown	117-3032	
Pink	117-3034	
Yellow	117-3036	
Green / Yellow	117-3038	

63/0.2mm Type 3 (2.0mm²)

Conductor 63/0.2mm		
Colour	Order Code	Price Per Reel
100m Reels		
Black	117-3039	
Red	117-3040	

High Performance Equipment Wire

Flexlite™ Wire



- Double wall insulation
- High dielectric strength, 2.5KV, 5 mins
- Easy stripping and handling
- Solder iron resistant
- 600V rated
- Excellent chemical resistance
- Flexible, tough, thin wall
- Low fire hazard, **UL94V-1**, non-melting
- -45°C to +125°C
- **UL** recognised **Style 3584**

CSA mm ²	Conductor dia. min	Conductor dia. max	Max res. @ 20°C Ω/Km	Outside dia. min	Outside dia. max	Mftrs. List No. (X = colour)
0.25	0.55	0.63	83.6	1.12	1.22	FLDWC0311-0.25-0-X
0.35	0.72	0.77	56.1	1.31	1.42	FLDWC0311-0.35-0-X
0.5	0.86	0.88	40.1	1.46	1.58	FLDWC0311-0.50-0-X
0.75	1.05	1.06	24.7	1.65	1.75	FLDWC0311-0.75-0-X
1	1.17	1.26	20	1.78	1.93	FLDWC0311-1.00-0-X
1.5	1.35	1.58	13.7	2.19	2.34	FLDWC0311-1.50-0-X
2.5	1.85	2.01	8.2	2.65	2.83	FLDWC0311-2.50-0-X

0.25mm ² (19/0.127mm)		0.35mm ² (19/0.15mm)		0.50mm ² (19/0.19mm)	
Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	797-972	Green	797-996	White	798-010
Red	797-984	Yellow	798-009	Blue	798-022

0.35mm ² (19/0.15mm)		0.50mm ² (19/0.19mm)		0.75mm ² (19/0.23mm)	
Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	798-034	Green	769-356	White	769-370
Red	798-046	Yellow	769-368	Blue	769-381

0.50mm ² (19/0.19mm)		0.75mm ² (19/0.23mm)		1.00mm ² (19/0.25mm)	
Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	769-393	Green	769-411	White	769-435
Red	769-400	Yellow	769-423	Blue	769-447

0.75mm ² (19/0.23mm)		1.00mm ² (19/0.25mm)		1.50mm ² (19/0.32mm)	
Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	769-459	Green	769-472	White	769-496
Red	769-460	Yellow	769-484	Blue	769-502

1.00mm ² (19/0.25mm)		1.50mm ² (19/0.32mm)		2.50mm ² (19/0.41mm)	
Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	769-514	Green	769-538	White	769-551
Red	769-526	Yellow	769-540	Blue	769-563

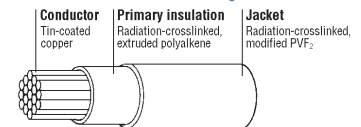
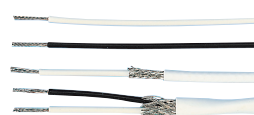
1.50mm ² (19/0.32mm)		2.50mm ² (19/0.41mm)	
Colour	Order Code	Colour	Order Code
Black	769-575	White	769-617
Red	769-587	Blue	769-629

2.50mm ² (19/0.41mm)	
Colour	Order Code
Black	769-691
Red	769-708

Price Per Reel

100m Reels	
0.25mm ² All Colours	●
0.35mm ² All Colours	●
0.50mm ² All Colours	●
0.75mm ² All Colours	●
1.00mm ² All Colours	●
1.50mm ² All Colours	●
2.50mm ² All Colours	●

Spec 44™ Wire and Cable



- Suitable for applications where environmental conditions demand consistently reliable performance
- Voltage rating 600V
- Dual wall construction
- Soldering iron resistant +300°C (short periods)
- Operating temperature -65°C to +150°C
- Small size, light weight
- Flame retardant
- Low smoke and low corrosive gas generation
- Resistant to most chemicals

Single Primary Wire

AWG Size	Conductor Size	CSA mm ²	Nominal Outside Dia. (mm)	Mftrs. List No. (X = colour)
26	19 / 0.1mm	0.16	0.86	44A0111-26-0-X
24	19 / 0.127mm	0.24	1.02	44A0111-24-0-X
22	19 / 0.15mm	0.38	1.19	44A0111-22-0-X
20	19 / 0.203mm	0.62	1.4	44A0111-20-0-X
18	19 / 0.254mm	0.96	1.65	44A0111-18-0-X

Single Screened Primary Wire

AWG Size	Conductor Size	CSA mm ²	Nominal Outside Dia. (mm)	Sheath Colour	Mftrs. List No.
24	19 / 0.127mm	0.24	1.83	White	44A1111-24-9-9
22	19 / 0.15mm	0.38	2	White	44A1111-22-9-9
20	19 / 0.203mm	0.62	2.26	White	44A1111-20-9-9

Twin Screened Twisted Pair Cable

AWG Size	Conductor Size	CSA mm ²	Nominal Outside Dia. (mm)	Sheath Colour	Conductor Colours	Mftrs. List No.
24	19 / 0.127mm	0.24	2.99	White	Black / White	44A1121-24-0/9-9
24	19 / 0.127mm	0.24	2.99	White	Blue / Red	44A1121-24-2/6-9
22	19 / 0.15mm	0.38	3.35	White	Black / White	44A1121-22-0/9-9
22	19 / 0.15mm	0.38	3.35	White	Blue / Red	44A1121-22-2/6-9
20	19 / 0.203mm	0.62	3.76	White	Black / White	44A1121-20-0/9-9
20	19 / 0.203mm	0.62	3.76	White	Blue / Red	44A1121-20-2/6-9

High Performance Equipment Wire - continued

Spec 44™ Wire and Cable - continued

208283

100m Reels				Price Per Reel
AWG (mm ²)	Colour	Order Code		
Single Primary Wire				
26	0.16	Black	139-9530	
		White	139-9531	
		Red	139-9532	
24	0.24	Black	134-820	
		White	134-831	
		Red	417-5980	
22	0.38	Black	134-843	
		White	134-855	
		Red	417-6005	
20	0.62	Black	134-867	
		White	134-879	
		Red	417-6029	
18	0.96	Black	134-880	
		White	134-892	
		Single Screened Primary Wire		
24	0.24	White	417-6066	
22	0.38	White	134-909	
20	0.62	White	417-6078	
Twin Screened Twisted Pair				
24	0.24	Black / White	417-6080	
24	0.24	Blue / Red	417-6091	
22	0.38	Black / White	134-910	
22	0.38	Blue / Red	417-6108	
20	0.62	Black / White	417-6110	
20	0.62	Blue / Red	417-6121	

Type 55® Cable



Type 55® is isolated with modified radiation cross-linked ETFE polymer and is suitable for general high performance applications. It combines the easy handling of a flexible wire with excellent scrape abrasion and cut through characteristics.

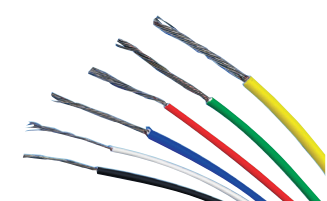
- Single wall construction
- Small size, ultra light weight
- Not susceptible to UV and moisture degradation
- -65°C to +150°C
- 600v rated
- Mechanically rugged
- Exceptional resistance to most chemicals and fluids

Size	Conductor	Nominal Outside Diameter	Mfrs. List No	Order Code
24AWG	19 / 0.127mm	0.93mm	55A0111-24-9CK0135mm	505-0972
22AWG	19 / 0.15mm	1.09mm	55A0111-22-9CK0135mm	505-0984
20AWG	19 / 0.2mm	1.27mm	55A0111-20-9CK0135mm	505-0996
16AWG	19 / 0.29mm	1.72mm	55A0111-16-9CK0135mm	505-1010

338973

100m Reels		Price Per Reel
Size	Order Code	
24AWG	505-0972	
22AWG	505-0984	
20AWG	505-0996	
16AWG	505-1010	

High Temperature FlexLite® (FLHT) Cable



FlexLite® wire is a good general purpose equipment wire. It features a tough, high temperature insulation, highly suited to lighting, appliance, electrical and motor applications. FlexLite HT products provide wiring solutions similar to many fluoropolymers, such as PTFE and FEP.

Unlike PTFE and FEP wires, however, FlexLite HT is not prone to cold flow problems and is resistant to high frequency radiation and solder iron contact, without melting or shrinkage. Offered as a single-wall insulation, FlexLite HT does not need glass braid for additional mechanical protection and will not cause excessive cutter wear. Because of its mechanical toughness, heat-resistant characteristics and excellent shop handling characteristics, FlexLite HT wire offers an attractive alternative to fluoropolymer and glass-braid silicone lead wires, especially in high temperature environments where space is limited.

- Single wall
- Flexible, tough, thin wall, irradiated ETFE
- Lightweight/small size, handles well
- Excellent mechanical and chemical performance
- -55°C to +200°C
- 600V rated
- 200°C UL style 3557/CSA rated with VW1 flammability
- Supplied in 100m reels

Size	Number of Strands/ Diameter	Current carrying capacity- amps 30°C nominal rise	Nominal Outside Diameter
0.25mm ²	19 / 0.127mm	5.5	1mm
0.35mm ²	19 / 0.15mm	7.5	1.16mm
0.5mm ²	19 / 0.19mm	10	1.27mm
0.75mm ²	19 / 0.23mm	12	1.47mm
1mm ²	19 / 0.25mm	14	1.62mm
1.5mm ²	19 / 0.32mm	17	1.87mm

338944

Colour	Order Code	Price Per Reel
0.25mm²		
Black	505-1022	
White	505-1058	
0.35mm²		
Black	505-1060	
Red	505-1071	
0.50mm²		
Black	505-1101	
Red	505-1113	
White	505-1137	
0.75mm²		
Black	505-1149	
1.00mm²		
Black	505-1186	
1.50mm²		
Black	505-1228	
White	505-1253	

Solar Cable



Tyco Electronics has specified a wire that is designed to meet the harsh environmental conditions typical in the wiring of photovoltaic installations. The flexible, dual wall, halogen free and cross linked solar wire offers long term stability and UL approval. Its outstanding features include: high resistance against environmental conditions like humidity, UV-radiation and ozone. In addition, it has excellent resistance to abrasion and temperature extremes. The wire has a high dielectric withstand voltage and with its fine-stranded, tin plated copper conductor, it is easy to handle and to strip.

- Dual wall insulation
- Electron beam cross-linked
- Excellent resistance to U.V., water, ozone, fluids, sal and, general weathering
- Excellent resistance to abrasion
- Halogen free, flame retardant and low toxicity
- Very low smoke emissions
- Excellent flexibility and stripping performance
- Operating Temperature from -40°C to 110°C
- Voltage Rating up to 2600 V DC
- IEC 60228 Class 5 (stranded tin plated copper and flexible)

Mfrs. List No.	CSA	Gauge	Conductor Size	Nominal Outside Dia.
1986165-2	3.31mm ²	12AWG	65 / 0.25mm	4.83mm
1986164-2	5.26mm ²	10AWG	104 / 0.25mm	5.46mm

553789

Mfrs. List No.	Order Code	Price Each
1986165-2	178-0343	
1986164-2	178-0344	

Olflex® Solar XLR Cable



OLFLEX SOLAR XLR are halogen free, double insulated single core cables suitable for use on photovoltaic systems, they are used for both cabling of solar modules among themselves and as a connection to the DC/AC inverter. The high thermal capacity allows for long lasting operation in outdoor environments on photovoltaic systems.

- Excellent weather, temperature and UV resistance according to HD 605/A1
- Ozone resistant according to EN 50396
- Good notch and abrasion resistance
- Halogen free and flame retardant
- Resistant against oxalic acid and sodium hydroxide

610298

Mftrs. List No.	Colour	CSA	Nominal Outside Dia.	Order Code	Price Each
0025906	Black	2.5mm ²	6mm	182-6656	
0025918	Blue	2.5mm ²	6mm	182-6660	
0025912	Red	2.5mm ²	6mm	182-6663	
0025943	Black	4mm ²	6.5mm	182-6658	
0025919	Blue	4mm ²	6.5mm	182-6661	
0025913	Red	4mm ²	6.5mm	182-6664	
0025908	Black	6mm ²	7.1mm	182-6659	
0025920	Blue	6mm ²	7.1mm	182-6662	
0025914	Red	6mm ²	7.1mm	182-6665	

H05V-K / H07V-K Single Core



The single core H05V-K / H07 V-K are flexible non-sheathed cables for internal wiring intended for installation in pipes being on, in and under plastering as well as in closed installation channels. These cables should not be used for laying directly onto racks, conduit or tubes.

- Operating temperature -30°C to 70°C max
- PVC insulation
- Bare stranded copper conductors
- Supplied on 100m reels

Size (CSA)	Diameter External (Max)	Voltage rating AC
0.5mm ²	2.1mm	300V
0.75mm ²	2.4mm	300V
1mm ²	2.6mm	300V
1.5mm ²	3mm	300V
2.5mm ²	3.7mm	450V

448973

H05V-K, 0.5mm² Price Per Reel

Colour	Mftrs. List No.	Order Code
Green / Yellow	4510001	120-4073
Red	4510041	120-4071
Black	4510011	120-4068
White	4510051	120-4072
Blue	4510021	120-4069
Grey	4510061	128-5814
Brown	4510031	120-4070
Violet	4510071	128-5815
Yellow	4510111	128-5818
Green	4510121	128-5819
Dark Blue	4510141	128-5820

Colour	Mftrs. List No.	Order Code
Green / Yellow	4510002	120-4074
Black	4510012	120-4076
Blue	4510022	120-4077
Brown	4510032	120-4078
Red	4510042	120-4079
White	4510052	120-4080
Grey	4510062	128-5821
Violet	4510072	120-4081
Yellow	4510112	128-5823
Green	4510122	128-5824
Dark Blue	4510142	128-5825

Colour	Mftrs. List No.	Order Code
Green / Yellow	4510003	120-4082
Black	4510013	120-4083
Blue	4510023	120-4084
Red	4510043	120-4089
Brown	4510033	120-4085
White	4510053	120-4086
Grey	4510063	128-5826
Violet	4510073	120-4088
Yellow	4510113	128-5829
Green	4510123	128-5831
Dark Blue	4510143	128-5832

Colour	Mftrs. List No.	Order Code
Green / Yellow	4520001	120-4339
Black	4520011	120-4340
Blue	4520021	120-4341
Brown	4520031	120-4342
Red	4520041	120-4343
White	4520051	128-5833
Grey	4520061	128-5834
Violet	4520071	128-5835
Yellow	4520111	128-5837
Green	4520121	128-5838
Blue	4520141	128-5839

Colour	Mftrs. List No.	Order Code	Price Per Reel
Green / Yellow	4520002	120-4344	
Black	4520012	120-4345	
Blue	4520022	120-4346	
Brown	4520032	128-5840	
Red	4520042	120-4347	
White	4520052	128-5842	
Grey	4520062	128-5843	

PE/PVC Insulated EHT Cable

CD 14013



- Polyethylene insulation
- Plain annealed copper wire conductor
- Flame retardant PVC jacket
- 25K VDC Voltage rating

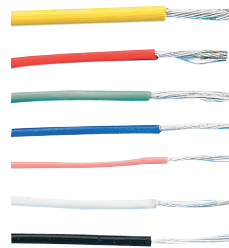
Nominal outside diameter	5.2mm	Operating temperature	-15°C to +70°C
Conductor CSA Area	0.5mm ²	Max operating voltage	25000V DC
Conductor Resistance	36.50ohm/km		

478324

Reel Size	Order Code	Price Each
25m	142-5489	

PTFE Insulated Equipment Wire

PTFE Insulated Equipment Wire Silver Plated to BS3G210



- Silver plated solid and stranded copper conductors
- Insulated in PTFE to **BS3G210**
- Ideal for use where a high level of reliability is required
- Excellent resistance to oils and common acids
- Conforms to **Def Std 61-12 pt 8** (apart from Type A 28 and 26 AWG)

Operating temperature -50°C to +190°C (flexing environment)
-75°C to +200°C (static environment)

Working Voltage:	300V (Type A)
	600V (Type B)
	1000V (Type C)

Type A	Conductor Size (mm)	CSA	Wire Gauge	Current Rating	Nominal Outside Dia.
	7 / 0.12mm	0.0859mm ²	28AWG	3A	0.71mm
	1 / 0.4mm	0.128mm ²	26AWG	4A	0.75mm
	7 / 0.15mm	0.124mm ²	26AWG	4A	0.8mm
	7 / 0.2mm	0.22mm ²	24AWG	6A	0.95mm
	19 / 0.15mm	0.338mm ²	22AWG	8A	1.1mm
	19 / 0.2mm	0.597mm ²	20AWG	11A	1.35mm

Price Per Reel

Colour	Reel Length	Order Code
7/0.12mm Type A		
Black	25m	118-3978
Black	100m	118-3979
Blue	25m	118-3980
Blue	100m	118-3981
Red	25m	118-3982
Red	100m	118-3983
Yellow	25m	118-3984
Yellow	100m	118-3985
White	25m	118-3986
White	100m	118-3987
Green	25m	118-3988
Green	100m	118-3991
Pink	25m	118-3992
Pink	100m	118-3993
Green / Yellow	25m	163-9026
Green / Yellow	100m	163-9027

Colour	Reel Length	Order Code
1/0.4mm Type A		
Black	25m	118-3994
Black	100m	118-3995
Blue	25m	118-3996
Red	25m	118-3998
Yellow	25m	118-4000
White	25m	118-4001
White	100m	118-4002
Green	25m	118-4004
Pink	25m	118-4005
Green / Yellow	25m	163-9028

Colour	Reel Length	Order Code
7/0.15mm Type A		
Black	25m	118-4006
Black	100m	118-4007
Blue	25m	118-4008

PTFE Insulated Equipment Wire - continued

Silver Plated to BS3G210 - continued

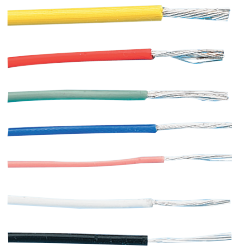
Colour	Reel Length	Order Code	Price Per Reel	
7/0.15mm Type A				
Blue	100m	118-4009		
Red	25m	118-4010		
Red	100m	118-4011		
Yellow	25m	118-4012		
Yellow	100m	118-4013		
White	25m	118-4014		
White	100m	118-4016		
Green	25m	118-4017		
Pink	25m	118-4018		
Pink	100m	118-4019		
Green / Yellow	25m	163-9030		
Green / Yellow	100m	163-9032		
7/0.2mm Type A				
Black	25m	118-4020		
Black	100m	118-4021		
Blue	25m	118-4022		
Blue	100m	118-4023		
Red	25m	118-4024		
Red	100m	118-4025		
Yellow	25m	118-4026		
Yellow	100m	118-4029		
White	25m	118-4030		
White	100m	118-4031		
Green	25m	118-4032		
Green	100m	118-4033		
Pink	25m	118-4034		
Pink	100m	118-4035		
Green / Yellow	25m	163-9033		
Green / Yellow	100m	163-9034		
19/0.15mm Type A				
Black	25m	118-4036		
Black	100m	118-4037		
Blue	25m	118-4038		
Blue	100m	118-4041		
Red	25m	118-4042		
Red	100m	118-4043		
Yellow	25m	118-4044		
Yellow	100m	118-4045		
White	25m	118-4046		
White	100m	118-4047		
Green	25m	118-4048		
Green	100m	118-4049		
Pink	25m	118-4050		
Pink	100m	118-4051		
Green / Yellow	25m	163-9035		
Green / Yellow	100m	163-9036		
19/0.2mm Type A				
Black	25m	118-4053		
Black	100m	118-4054		
Blue	25m	118-4055		
Red	25m	118-4057		
Red	100m	118-4058		
Yellow	25m	118-4059		
White	25m	118-4061		
White	100m	118-4062		
Pink	100m	118-4067		
Green / Yellow	25m	163-9037		
Green / Yellow	100m	163-9038		
Type B				
Conductor Size (mm)	CSA	Wire Gauge	Current Rating	Nominal Outside Dia.
7 / 0.2mm	0.22mm ²	24AWG	6A	1.2mm
19 / 0.15mm	0.338mm ²	22AWG	8A	1.35mm
19 / 0.2mm	0.597mm ²	20AWG	11A	1.6mm
19 / 0.25mm	0.933mm ²	18AWG	15A	1.85mm
Price Per Reel				
Colour	Reel Length	Order Code	Price Per Reel	
7/0.2mm Type B				
Black	25m	118-4068		
Black	100m	118-4069		
Blue	25m	118-4070		
Blue	100m	118-4071		
Red	25m	118-4072		
Red	100m	118-4073		
Yellow	25m	118-4074		
Yellow	100m	118-4075		
White	25m	118-4077		

Colour	Reel Length	Order Code	Price Per Reel	
7/0.2mm Type B				
White	100m	118-4078		
Green	25m	118-4079		
Pink	25m	118-4081		
Pink	100m	118-4085		
Green / Yellow	25m	163-9039		
Green / Yellow	100m	163-9040		
19/0.15mm Type B				
Black	25m	118-4082		
Black	100m	118-4083		
Blue	25m	118-4084		
Blue	100m	118-4086		
Red	25m	118-4087		
Red	100m	118-4089		
Yellow	25m	118-4091		
White	25m	118-4092		
White	100m	118-4093		
Green	25m	118-4094		
Green	100m	118-4095		
Pink	25m	118-4096		
Pink	100m	118-4097		
Green / Yellow	25m	163-9041		
Green / Yellow	100m	163-9042		
19/0.2mm Type B				
Black	25m	118-4098		
Black	100m	118-4099		
Red	25m	118-4102		
Red	100m	118-4103		
Yellow	25m	118-4104		
White	100m	118-4108		
Green	100m	118-4110		
Pink	100m	118-4112		
Green / Yellow	25m	163-9044		
Green / Yellow	100m	163-9045		
19/0.25mm Type B				
Black	25m	118-4113		
Black	100m	118-4114		
Blue	25m	118-4115		
Blue	100m	118-4116		
Red	25m	118-4117		
Red	100m	118-4119		
White	25m	118-4123		
White	100m	118-4124		
Green	25m	118-4125		
Green / Yellow	25m	163-9046		
Green / Yellow	100m	163-9047		
Type C				
Conductor Size (mm)	CSA	Wire Gauge	Current Rating	Nominal Outside Dia.
7 / 0.2mm	0.22mm ²	24AWG	6A	1.62mm
19 / 0.15mm	0.338mm ²	22AWG	8A	1.67mm
19/0.2mm	0.597mm ²	20AWG	11A	1.92mm
Price Per Reel				
Colour	Reel Length	Order Code	Price Per Reel	
7/0.2mm Type C				
Black	25m	118-4129		
Red	25m	118-4133		
Yellow	25m	118-4134		
White	25m	118-4135		
Green / Yellow	25m	163-9048		
Green / Yellow	100m	163-9049		
19/0.15mm Type C				
Black	25m	118-4137		
Red	100m	118-4138		
Green / Yellow	25m	163-9050		
Green / Yellow	100m	163-9051		
19/0.2mm Type C				
Black	100m	118-4142		
Blue	100m	118-4144		
Red	25m	118-4145		
Red	100m	118-4146		
Yellow	25m	118-4147		
White	25m	118-4148		
White	100m	118-4149		
Green	25m	118-4150		
Green / Yellow	25m	163-9052		
Green / Yellow	100m	163-9053		

377457

Over 500 000 products available online

PTFE Insulated Equipment Wire



- Silver plated solid and stranded copper conductors
- Insulated in PTFE to **BS3G210**
- Ideal for use where a high level of reliability is required
- Excellent resistance to oils and common acids
- Conforms to **Def Std 61-12 pt 8** (apart from Type A 28 and 26 AWG)

Operating temperature -50°C to +190°C (flexing environment)
-75°C to +200°C (static environment)

Working Voltage: 300V (Type A)
600V (Type B)
1000V (Type C)

Type A

Conductor Size	CSA	Wire Gauge	Current Rating	Nominal Outside Dia.
7 / 0.12mm	0.079mm ²	28AWG	3A	0.71mm
7 / 0.15mm	0.124mm ²	26AWG	4A	0.8mm
7 / 0.2mm	0.2mm ²	24AWG	6A	0.95mm
19 / 0.15mm	0.336mm ²	22AWG	8A	1.1mm
19 / 0.2mm	0.597mm ²	20AWG	11A	1.35mm

Price Per Reel

Colour	Reel Length	Order Code
7/0.12mm Type A		
Black	100m	142-3330
Red	100m	142-3333
Blue	100m	142-3336
Brown	100m	142-3339
Grey	100m	142-3341
White	100m	142-3334
Yellow	100m	142-3335
Orange	25m	142-3346
Orange	100m	142-3337
Green	100m	142-3338
Violet	100m	142-3340
Pink	100m	142-3331

7/0.15mm Type A		
Black	25m	NEW 173-4760
Black	100m	142-3347
Red	25m	NEW 173-4762
Red	100m	142-3349
Blue	100m	142-3351
Brown	100m	NEW 173-4765
White	25m	NEW 173-4764
White	100m	142-3350
Yellow	100m	142-3353
Orange	100m	142-3357
Green	100m	142-3352
Pink	25m	NEW 173-4761
Pink	100m	142-3348

7/0.2mm Type A		
Black	25m	142-3358
Black	100m	142-3362
Red	25m	142-3360
Red	100m	142-3364
Blue	100m	142-3367
Brown	100m	142-3372
Grey	100m	142-3374
White	25m	142-3361
White	100m	142-3365
Yellow	100m	142-3366
Orange	100m	142-3369
Green	100m	142-3371
Violet	100m	142-3373
Pink	25m	142-3359
Pink	100m	142-3363

19/0.15mm Type A		
Black	100m	142-3375
Red	100m	142-3377
Blue	100m	142-3380
Brown	100m	142-3384
Grey	100m	142-3386
White	100m	142-3378
Yellow	100m	142-3379
Orange	100m	142-3382
Green	100m	142-3383
Violet	100m	142-3385

19/0.2mm Type A		
Black	100m	142-3387
Red	100m	142-3389
Blue	100m	142-3392
Brown	100m	142-3396
Grey	100m	142-3398
White	100m	142-3390

Colour	Reel Length	Order Code	Price Per Reel
19/0.2mm Type A			
Yellow	100m	142-3391	
Orange	100m	142-3394	
Green	100m	142-3395	
Violet	100m	142-3397	
Pink	100m	142-3388	

Type B				
Conductor Size	CSA	Wire Gauge	Current Rating	Nominal Outside Dia.
7 / 0.2mm	0.22mm ²	24AWG	6A	1.2mm
19 / 0.15mm	0.336mm ²	22AWG	8A	1.35mm
19 / 0.2mm	0.597mm ²	20AWG	11A	1.6mm

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Colour	Reel Length	Order Code	Price Per Reel
7/0.2mm Type B			
Black	25m	142-3399	
Black	100m	142-3404	
Red	25m	142-3402	
Red	100m	142-3406	
Blue	100m	142-3410	
Brown	100m	142-3413	
Grey	100m	142-3415	
White	100m	142-3407	
Yellow	100m	142-3408	
Green	100m	142-3412	
Violet	100m	142-3414	
Pink	25m	142-3401	
Pink	100m	142-3405	

19/0.15mm Type B			
Black	100m	142-3420	
Red	25m	142-3418	
Red	100m	142-3422	
Blue	100m	142-3427	
Brown	100m	142-3429	
Grey	100m	142-3430	
White	100m	142-3424	
Yellow	25m	142-3419	
Yellow	100m	142-3425	
Orange	100m	142-3426	
Green	100m	142-3428	
Pink	25m	142-3417	
Pink	100m	142-3421	

19/0.2mm Type B			
Black	100m	142-3431	
Red	100m	142-3433	
Blue	100m	142-3438	
Brown	100m	142-3440	
Grey	100m	142-3442	
White	100m	142-3434	
Yellow	100m	142-3436	
Orange	100m	142-3437	
Green	100m	142-3439	
Violet	100m	142-3441	
Pink	100m	142-3432	

UL Hook-Up Equipment Wire

Eco Hook-up Wire



- UL AWM 11028
- Operating temperature -40°C to 105°C
- Tinned stranded copper conductors
- Rated voltage 600V
- Polyphenylether insulation
- Excellent abrasion resistance
- Oil resistant to Oil Res. 1
- 28-10 AWG
- Supplied in 30.5m & 304.8m reels



EcoWire hook-up wires use flexible Noryl insulation to provide an environmentally friendly alternative to PVC. Noryl is a modified polyphenylene ether thermoplastic that is inherently lighter and tougher, and more flame resistance than PVC. The result is UL AWM wires that are smaller than their PVC based counterparts. The non-halogenated insulation contains no heavy metal pigments, allowing it to help manufacturers to meet Waste Electrical and Electronic Equipment (WEEE) requirements.

Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current	Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current
28AWG	7 / 36AWG	0.86mm	3A	18AWG	1 / 18AWG	1.5mm	18A
26AWG	7 / 34AWG	0.97mm	4A	16AWG	26 / 30AWG	2.06mm	19A
24AWG	7 / 32AWG	1.09mm	6A	14AWG	41 / 30AWG	2.44mm	27A
22AWG	7 / 30AWG	1.24mm	8A	14AWG	1 / 14AWG	2.18mm	33A
20AWG	10 / 30AWG	1.4mm	10A	12AWG	65 / 30AWG	2.97mm	36A
18AWG	16 / 30AWG	1.7mm	15A	10AWG	105 / 30AWG	3.66mm	47A

UL Hook-Up Equipment Wire - continued

Eco Hook-up Wire - continued

548183

Colour	Order Code	Price Per Reel 30.5m	Order Code	Price Per Reel 304.8m
28AWG (7/36AWG)				
Black	176-4891		177-0261	
Blue	176-4892		177-0262	
Brown	176-4893		177-0264	
Green	176-4894		177-0265	
Green / Yellow	176-4896		177-0266	
Orange	176-4897		177-0267	
Red	176-4898		177-0268	
Slate	176-4899		177-0269	
Violet	176-4900		177-0270	
White	176-4902		177-0271	
Yellow	176-4903		177-0272	
26AWG (7/34AWG)				
Black	176-4904		177-0273	
Blue	176-4905		177-0274	
Brown	176-4906		177-0276	
Green	176-4907		177-0277	
Green / Yellow	176-4908		177-0278	
Orange	176-4909		177-0279	
Red	176-4910		177-0280	
Slate	176-4911		177-0281	
Violet	176-4912		177-0282	
White	176-4914		177-0283	
Yellow	176-4915		177-0284	
24AWG (7/32AWG)				
Black	176-4916		177-0285	
Blue	176-4917		177-0286	
Brown	176-4918		177-0288	
Green	176-4919		177-0289	
Green / Yellow	176-4920		177-0290	
Orange	176-4921		177-0291	
Red	176-4922		177-0292	
Slate	176-4923		177-0293	
Violet	176-4924		177-0294	
White	176-4926		177-0295	
Yellow	176-4927		177-0296	
22AWG (7/30AWG)				
Black	176-4928		177-0297	
Blue	176-4929		177-0298	
Brown	176-4930		177-0300	
Green	176-4931		177-0301	
Green / Yellow	176-4932		177-0302	
Orange	176-4933		177-0303	
Red	176-4934		177-0304	
Slate	176-4935		177-0306	
Violet	176-4936		177-0307	
White	176-4938		177-0308	
Yellow	176-4939		177-0309	
20AWG (10/30AWG)				
Black	176-4940		177-0310	
Blue	176-4941		177-0311	
Brown	176-4942		177-0312	
Green	176-4943		177-0313	
Green / Yellow	176-4944		177-0314	
Orange	176-4945		177-0315	
Red	176-4946		177-0316	
Slate	176-4947		177-0318	
Violet	176-4948		177-0319	
White	176-4951		177-0320	
Yellow	176-4952		177-0321	
18AWG (16/30AWG)				
Black	176-4953		177-0322	
Blue	176-4954		177-0323	
Brown	176-4955		177-0324	
Green	176-4956		177-0325	
Green / Yellow	176-4957		177-0326	
Orange	176-4958		177-0327	
Red	176-4959		177-0328	
Slate	176-4960		177-0331	
Violet	176-4961		177-0332	
White	176-4963		177-0333	
Yellow	176-4964		177-0334	
18AWG (1/18AWG)				
Black			177-0335	
Blue			177-0336	
Brown			177-0337	

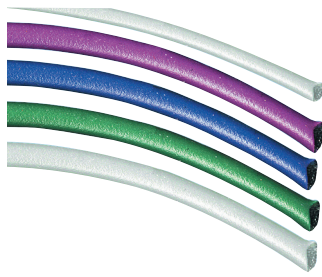
Colour	Order Code	Price Per Reel 30.5m	Order Code	Price Per Reel 304.8m
18AWG (1/18AWG)				
Green			177-0338	
Green / Yellow			177-0339	
Orange			177-0340	
Red			177-0341	
Slate			177-0343	
Violet			177-0344	
White			177-0345	
Yellow			177-0346	
16AWG (26/30AWG)				
Black	176-4965		177-0347	
Blue	176-4966		177-0348	
Brown	176-4967		177-0349	
Green	176-4968		177-0350	
Green / Yellow	176-4969		177-0351	
Orange	176-4970		177-0352	
Red	176-4971		177-0353	
Slate	176-4972		177-0355	
Violet	176-4973		177-0356	
White	176-4975		177-0357	
Yellow	176-4976		177-0358	
14AWG (41/30AWG)				
Black	176-4977		177-0359	
Blue	176-4978		177-0360	
Brown	176-4979		177-0361	
Green	176-4980		177-0362	
Green / Yellow	176-4981		177-0363	
Orange	176-4982		177-0364	
Red	176-4983		177-0365	
Slate	176-4984		177-0367	
Violet	176-4985		177-0368	
White	176-4987		177-0369	
Yellow	176-4988		177-0370	
14AWG (1/14AWG)				
Black			177-0371	
Blue			177-0372	
Brown			177-0373	
Green			177-0374	
Green / Yellow			177-0375	
Orange			177-0376	
Red			177-0377	
Slate			177-0379	
Violet			177-0381	
White			177-0382	
Yellow			177-0383	
12AWG (65/30AWG)				
Black	176-4989		177-0384	
Blue	176-4990		177-0385	
Brown	176-4991		177-0386	
Green	176-4992		177-0387	
Green / Yellow	176-4993		177-0388	
Orange	176-4994		177-0389	
Red	176-4995		177-0390	
Slate	176-4996		177-0392	
Violet	176-4997		177-0393	
White	176-4999		177-0394	
Yellow	176-5001		177-0395	
10AWG (105/30AWG)				
Black	176-5002		177-0396	
Blue	176-5003		177-0397	
Brown	176-5004		177-0398	
Green	176-5005		177-0399	
Green / Yellow	176-5006		177-0400	
Orange	176-5007		177-0401	
Red	176-5008		177-0402	
Slate	176-5009		177-0403	
Violet	176-5010		177-0404	
White	176-5011		177-0405	
Yellow	176-5013		177-0406	

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UL1007 Hook-up Wire (CSA TR-64)



- UL recognised AWM 1007 and CSA TR-64 specification
- Tinned stranded copper conductors
- 28-16 AWG
- Operating temperature -40°C to 80°C
- Rated voltage 300V
- Colour PVC insulation
- Supplied in 305m reels

Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current	Gauge	Conductor	Nominal	Maximum
28AWG	7 / 36AWG	1.19mm	4A	20AWG	10 / 30AWG	1.8mm	13A
24AWG	7 / 32AWG	1.45mm	7A	18AWG	16 / 30AWG	2.03mm	18A
				16AWG	26 / 30AWG	2.41mm	24A

337247

Price Per Reel

Order Code	Colour	Price Per Reel
28 AWG		
118-2471	White	
118-2472	Black	
118-2473	Red	
118-2474	Green	
118-2475	Yellow	
118-2476	Blue	
118-2477	Brown	
118-2478	Orange	
118-2479	Grey	
118-2480	Violet	
24 AWG		
118-2482	White	
118-2483	Black	
118-2484	Red	
118-2485	Green	
118-2486	Yellow	
118-2487	Blue	
118-2488	Brown	
118-2489	Orange	
118-2490	Grey	
118-2491	Violet	
118-2492	Green / Yellow	
118-2494	Pink	
20 AWG		
118-2495	White	
118-2496	Black	
118-2497	Red	
118-2498	Green	
118-2499	Yellow	
118-2501	Blue	
118-2502	Brown	
118-2503	Orange	
118-2504	Grey	
118-2505	Violet	
118-2506	Green / Yellow	
118-2507	Pink	
18 AWG		
118-2508	White	
118-2509	Black	
118-2510	Red	
118-2512	Green	
118-2513	Yellow	
118-2514	Blue	
118-2515	Brown	
118-2516	Orange	
118-2517	Grey	
118-2518	Violet	
118-2519	Green / Yellow	
118-2520	Pink	
16 AWG		
118-2521	White	
118-2522	Black	
118-2524	Red	
118-2526	Yellow	
118-2527	Blue	
118-2528	Brown	
118-2529	Orange	
118-2530	Grey	
118-2531	Violet	
118-2532	Green / Yellow	

UL1007 (300V, 80°C) CSA TR-64 (90°C)



- UL listed and CSA certified hook-up (equipment) wire
- Tinned stranded copper conductors
- 26-16 AWG
- 80°C temperature rated
- Rated voltage 300V

Gauge	Current Rating	Conductor Size	CSA	Nominal Outside Dia
26AWG	4A	7 / 34AWG	0.13mm ²	1.42mm
24AWG	6A	7 / 32AWG	0.2mm ²	1.42mm
22AWG	8A	7 / 30AWG	0.336mm ²	1.57mm
20AWG	10A	7 / 28AWG	0.597mm ²	1.75mm
18AWG	15A	16 / 30AWG	0.82mm ²	2.01mm
16AWG	19A	26 / 30AWG	1.31mm ²	2.34mm

335998

Price Per Reel

Order Code	Colour	Reel Size	Price Per Reel
26 AWG			
117-7491	Black	304.8m	
117-7492	Red	304.8m	
24 AWG			
117-7493	Black	100m	
117-7494	Blue	100m	
117-7495	Orange	100m	
117-7496	Red	100m	
117-7498	White	100m	
117-7499	Yellow	100m	
117-7501	Black	304.8m	
22 AWG			
117-7502	Black	100m	
117-7504	Blue	100m	
117-7505	Red	100m	
117-7506	White	100m	
117-7507	Yellow	100m	
117-7508	Black	304.8m	
117-7509	Blue	304.8m	
117-7510	Red	304.8m	
117-7512	White	304.8m	
20 AWG			
117-7513	Black	100m	
117-7514	Red	100m	
117-7516	Blue	304.8m	
117-7517	Red	304.8m	
18 AWG			
117-7518	Black	100m	
117-7519	Brown	100m	
117-7520	Red	100m	
117-7521	White	100m	
117-7522	Yellow	100m	
117-7523	Black	304.8m	
117-7524	Red	304.8m	
16 AWG			
117-7525	Black	304.8m	
117-7526	Red	304.8m	
117-7528	Green / Yellow	304.8m	

UL1015 Hook-up Wire (CSA TEW-105)



- UL recognised AWM Style 1015 and CSA TEW-105 specification
- Operating temperature -20°C to 105°C
- Tinned stranded copper conductors
- Rated voltage 600V
- PVC insulation
- 24-16 AWG
- Supplied in 305m reels

Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current
24AWG	7 / 32AWG	2.24mm	7A
22AWG	7 / 30AWG	2.38mm	10A
20AWG	10 / 30AWG	2.54mm	13A
18AWG	16 / 30AWG	2.85mm	18A
16AWG	26 / 30AWG	3.14mm	24A

UL Hook-Up Equipment Wire - continued

UL1015 Hook-up Wire (CSA TEW-105) - continued

Price Per Reel

337253

Order Code	Colour	Price Per Reel
24 AWG		
119-9040	White	
119-9041	Black	
119-9042	Red	
119-9044	Green	
119-9045	Yellow	
119-9046	Blue	
119-9047	Brown	
22 AWG		
119-9053	White	
119-9054	Black	
119-9056	Red	
119-9057	Green	
119-9058	Yellow	
119-9059	Blue	
119-9060	Brown	
119-9061	Orange	
119-9062	Grey	
119-9063	Violet	
119-9064	Green / Yellow	
20 AWG		
119-9066	White	
119-9068	Black	
119-9069	Red	
119-9070	Green	
119-9071	Yellow	
119-9072	Blue	
119-9073	Brown	
119-9074	Orange	
119-9075	Grey	
119-9076	Violet	
119-9077	Green / Yellow	
18 AWG		
119-9081	White	
119-9082	Black	
119-9083	Red	
119-9084	Green	
119-9085	Yellow	
119-9086	Blue	
119-9087	Brown	
119-9088	Orange	
119-9089	Grey	
119-9093	Green / Yellow	
16 AWG		
118-2544	White	
118-2545	Black	
118-2546	Red	
118-2548	Green	
118-2549	Yellow	
118-2550	Blue	
118-2551	Brown	
118-2552	Orange	
118-2553	Grey	
118-2556	Green / Yellow	

Machine Tool & Panel Wire

UL-CSA-HAR style 1015



The Multiple Standard Hook Up Wire are UL, CSA and HAR(VDE) approved and are intended for the wiring of control cabinets. Used extensively for the wiring of Industrial Machinery acc. to NFPA 79 these wires are resistant against oils, acids and caustics solutions at room temperature.

- UL recognised AWM style 1015, CSA and HAR approved
- Operating temperature -40°C to 105°C max
- Tinned stranded copper conductors
- PVC insulation
- Supplied on 100m reels

Size (CSA)	Gauge (AWG)	Current carrying capacity-amps 30°C nominal rise	Nominal Outside Diameter
0.5mm ²	22	9A	2.5mm
0.75mm ²	20	12A	2.7mm
1mm ²	18	15A	2.9mm
1.5mm ²	16	18A	3.1mm
2.5mm ²	14	26A	3.7mm

448600

Price Per Reel

Colour	Order Code	Price Per Reel
0.5mm²		
Green / Yellow	128-5709	
Black	120-4249	
Blue	120-4251	
Brown	120-4252	
Grey	128-5710	
Dark Blue	128-5712	
0.75mm²		
Green / Yellow	128-5714	
Black	120-4255	
Blue	120-4256	
Brown	128-5715	
Grey	128-5716	
Dark Blue	128-5717	
1mm²		
Green / Yellow	128-5719	
Black	120-4259	
Blue	120-4260	
Brown	128-5720	
Grey	128-5721	
Dark Blue	128-5722	
1.5mm²		
Green / Yellow	120-4262	
Black	120-4263	
Blue	120-4264	
Brown	128-5723	
Red	120-4265	
2.5mm²		
Green / Yellow	128-5726	
Black	120-4266	
Blue	128-5727	
Brown	128-5728	
Grey	128-5729	

UL1015 (600V, 105°C) Listed CSA TEW



- UL listed and CSA certified hook-up (equipment) wire
- Tinned stranded or solid copper conductors
- 22-10 AWG
- 105°C temperature rated
- Rated voltage 600V

Current Rating	Current Rating	Conductor Size	CSA	Nominal Outside Dia
22AWG	9A	7 / 30AWG	0.336mm ²	2.36mm
20AWG	13.5A	10 / 30AWG	0.597mm ²	2.54mm
18AWG	18A	16 / 30AWG	0.82mm ²	2.79mm
16AWG	24.5A	26 / 30AWG	1.31mm ²	3.12mm
14AWG	33.5A	41 / 30AWG	2.08mm ²	3.51mm
12AWG	45.5A	65 / 30AWG	3.02mm ²	4.01mm
10AWG	64A	105 / 30AWG	5.56mm ²	4.65mm

336033

Price Per Reel

Order Code	Colour	Reel Size	Price Per Reel
22 AWG			
117-7529	Black	100m	
117-7530	Blue	100m	
117-7531	Brown	100m	
117-7532	Green	100m	
117-7533	Red	100m	
117-7534	White	100m	
20 AWG			
117-7535	Blue	100m	
117-7536	Brown	100m	
117-7537	Red	100m	
117-7538	Green / Yellow	100m	
117-7541	Black	304.8m	
18 AWG			
117-7543	Black	100m	
117-7544	Blue	100m	
117-7545	Brown	100m	
117-7546	Red	100m	
117-7547	White	100m	
117-7548	Yellow	100m	
117-7549	Green / Yellow	100m	
117-7551	Black	304.8m	
16 AWG			
117-7553	Black	100m	
117-7554	Blue	100m	
117-7555	Brown	100m	
117-7556	Red	100m	
117-7557	Black	152.4m	
117-7558	Red	152.4m	
117-7559	White	152.4m	

Order Code	Colour	Reel Size	Price Per Reel
14 AWG			
117-7560	White	152.4m	
12 AWG			
117-7561	Black	100m	
117-7562	Red	100m	
10 AWG			
117-7563	Black	152.4m	

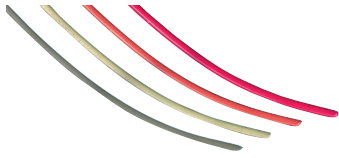
Order Code	Colour	Reel Size	Price Per Reel
24 AWG			
117-7595	Violet	100m	
117-7596	Yellow	100m	
117-7597	White	100m	

22 AWG			
117-7598	Black	100m	
117-7599	Blue	100m	
117-7600	Brown	100m	
117-7601	Green	100m	
117-7602	Grey	100m	
117-7605	Orange	100m	
117-7607	Red	100m	
117-7609	White	100m	
117-7610	Yellow	100m	
117-7611	Black	304.8m	

20 AWG			
117-7612	Black	100m	
117-7613	Blue	100m	
117-7615	Grey	100m	
117-7616	Red	100m	
117-7617	White	100m	
117-7621	Violet	100m	
117-7622	Yellow	100m	
117-7623	Green / Yellow	100m	

18 AWG			
117-7624	Black	100m	
117-7625	Blue	100m	
117-7626	Brown	100m	
117-7627	Grey	100m	
117-7628	Red	100m	
117-7629	White	100m	
117-7630	Yellow	100m	
117-7632	Green / Yellow	100m	

UL1061 Hook-up Wire (CSA TR-64)



- UL recognised AWM 1061 and CSA TR-64 specification
- Operating temperature -10°C to 80°C
- Tinned stranded copper conductors
- Rated voltage 300V
- Semi-Rigid PVC insulation
- 28-20 AWG
- Supplied in 305m reels

Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current	Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current
24AWG	7 / 32AWG	1.07mm	6A	20AWG	7 / 28AWG	1.42mm	10A
22AWG	7 / 30AWG	1.22mm	8A				

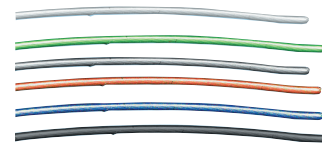
337252

Order Code	Colour	Price Per Reel
24 AWG		
119-9001	White	
119-9002	Black	
119-9003	Red	
119-9004	Green	
119-9005	Yellow	
119-9007	Blue	
119-9009	Brown	
119-9010	Orange	
119-9011	Grey	
119-9012	Violet	

22 AWG		
119-9014	White	
119-9015	Black	
119-9017	Red	
119-9019	Green	
119-9021	Yellow	
119-9022	Blue	
119-9023	Brown	
119-9024	Orange	
119-9025	Grey	

20 AWG		
119-9028	White	
119-9029	Black	
119-9030	Red	

UL1213 PTFE Hook-up Wire



- UL recognised AWM Style 1213 and MIL-W-16878E Type E specification
- PTFE insulation for exceptional toughness and flexibility
- Operating temperature -60°C to 200°C
- Silver-Plated copper stranded conductors
- Rated voltage 600V
- 30-18 AWG
- Supplied in 100ft or 1000ft reels

Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current	Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current
30AWG	7 / 38AWG	0.81mm	4A	24AWG	7 / 32AWG	1.14mm	10A
28AWG	7 / 36AWG	0.91mm	6A	20AWG	19 / 32AWG	1.5mm	17A
26AWG	7 / 34AWG	1.02mm	7A	18AWG	19 / 30AWG	1.78mm	24A

337260

UL1061 (300V, 80°C) CSA SR-PVC



- UL listed and CSA certified hook-up (equipment) wire
- Tinned stranded or solid copper conductors
- 26 - 18 AWG
- 80°C temperature rated
- Rated voltage 300V

Current Rating	Current Rating	Conductor Size	CSA	Nominal Outside Dia
26AWG	4A	7 / 34AWG	0.13mm ²	0.99mm
24AWG	6A	7 / 32AWG	0.2mm ²	1.12mm
22AWG	8A	7 / 30AWG	0.336mm ²	1.27mm
20AWG	10A	7 / 28AWG	0.597mm ²	1.45mm
18AWG	15A	16 / 30AWG	0.82mm ²	1.7mm

336049

Order Code	Colour	Reel Size	Price Per Reel
26 AWG			
117-7584	Black	304.8m	
117-7585	Grey	304.8m	
117-7586	White	304.8m	
24 AWG			
117-7587	Black	100m	
117-7589	Blue	100m	
117-7591	Orange	100m	
117-7592	Green	100m	
117-7593	Grey	100m	
117-7594	Red	100m	

Colour	Order Code	Price Per Reel 30.5m	Order Code	Price Per Reel 304.8m
30 AWG				
White	119-9095		161-9594	
Black	119-9096		161-9595	
Red	119-9097		161-9596	
Green	119-9098		161-9598	
Yellow	119-9099		161-9599	
Blue	119-9100		161-9600	
Brown	119-9101		161-9601	
Orange	119-9102		161-9602	
Grey	119-9103		161-9604	
Violet	119-9104		161-9605	
28 AWG				
White	119-9105		161-9606	
Black	119-9106		161-9607	
Red	119-9107		161-9608	
Green	119-9108		161-9609	
Yellow	119-9111		161-9610	
Blue	119-9112		161-9611	
Brown	119-9113		161-9612	
Orange	119-9114		161-9613	
Grey	119-9115		161-9614	
Violet	119-9116		161-9616	

UL Hook-Up Equipment Wire - continued

UL1213 PTFE Hook-up Wire - continued

Colour	Order Code	Price Per Reel 30.5m	Order Code	Price Per Reel 304.8m
26 AWG				
White			161-9617	
Black			161-9618	
Red			161-9619	
Green			161-9620	
Yellow			161-9621	
Blue			161-9622	
Brown			161-9623	
Orange			161-9624	
Grey			161-9625	
Violet			161-9626	
24 AWG				
White	119-9117		161-9628	
Black	119-9118		161-9629	
Red	119-9119		161-9630	
Green	119-9120		161-9631	
Yellow	119-9121		161-9632	
Blue	119-9123		161-9633	
Brown	119-9124		161-9634	
Orange	119-9125		161-9635	
Grey	119-9126		161-9636	
Violet	119-9127		161-9637	
20 AWG				
White	119-9128		161-9638	
Black	119-9130		161-9641	
Red	119-9131		161-9642	
Green	119-9132		161-9643	
Yellow	119-9133		161-9645	
Blue	119-9135		161-9646	
Brown	119-9136		161-9647	
Orange	119-9137		161-9648	
Grey	119-9138		161-9649	
Violet	119-9139		161-9650	
18 AWG				
White	119-9140		161-9651	
Black	119-9141		161-9653	
Red	119-9142		161-9654	
Green	119-9143		161-9655	
Yellow	119-9144		161-9656	
Blue	119-9145		161-9657	
Brown	119-9147		161-9658	
Orange	119-9148		161-9659	
Grey	119-9149		161-9660	
Violet	119-9150		161-9661	

UL1569 (300V, 105°C) CSA TR-64 (90°C)



- UL listed and CSA certified hook-up (equipment) wire
- Tinned stranded or solid copper conductors
- 24 - 18 AWG
- 105°C temperature rated
- Rated voltage 300V

Current Rating	Current Rating	Conductor Size	CSA	Nominal Outside Dia
24AWG	7A	7 / 32AWG	0.2mm ²	1.42mm
22AWG	10A	7 / 30AWG	0.336mm ²	1.57mm
20AWG	13A	7 / 28AWG	0.597mm ²	1.75mm
18AWG	18A	16 / 30AWG	0.82mm ²	2.01mm

336047

Order Code	Colour	Reel Size	Price Per Reel
24 AWG			
117-7565	Black	304.8m	
117-7566	Blue	304.8m	
117-7567	Red	304.8m	
22 AWG			
117-7568	Black	304.8m	
117-7569	Blue	304.8m	
117-7570	Brown	304.8m	
117-7571	Green	304.8m	
117-7572	Grey	304.8m	
117-7573	Orange	304.8m	
117-7574	Red	304.8m	
117-7575	Violet	304.8m	
117-7577	White	304.8m	

Price Per Reel

Order Code	Colour	Reel Size	Price Per Reel
20 AWG			
117-7578	Black	304.8m	
117-7580	Red	304.8m	
18 AWG			
117-7581	Black	304.8m	
117-7582	Blue	304.8m	
117-7583	Red	304.8m	

Equipment Wire 2491X / 2491B

2491X Single Core Flexible



Stranded, PVC insulated copper wires ideal for use within appliances, light fittings and control panels etc. Where the combination of ambient temperature and temperature rise, due to load, results in a temperature not exceeding 70°C.



- BS6004 (0.50mm to 1.00mm) and BS6004 (1.50mm to 4.00mm)
- Harmonised codes H05V-K (0.5 to 1.0mm²) and H07V-K (1.5 to 2.5mm²)
- Supplied in 100m reels

Current Rating	Conductor Size	CSA	Nominal Wall Thickness	Nominal Outside Dia
300/500 Volts				
3A	16 / 0.2mm	0.5mm ²	0.6mm	2.5mm
6A	24 / 0.2mm	0.75mm ²	0.6mm	2.7mm
10A	32 / 0.2mm	1mm ²	0.6mm	2.8mm
450/750 Volts				
16A	30 / 0.25mm	1.5mm ²	0.7mm	3.4mm
25A	50 / 0.25mm	2.5mm ²	0.8mm	4.1mm

336159

Colour	Order Code	Price Per Reel
3A (0.5mm²)		
Black	117-7738	
Blue	117-7739	
Brown	117-7740	
Red	117-7741	
White	117-7742	
Yellow	117-7743	
Green / Yellow	117-7744	
6A (0.75mm²)		
Black	117-7745	
Blue	117-7747	
Brown	117-7748	
Red	117-7749	
White	117-7750	
Yellow	117-7751	
Green / Yellow	117-7752	
10A (1.0mm²)		
Black	117-7753	
Blue	117-7754	
Brown	117-7755	
Red	117-7756	
White	117-7757	
Yellow	117-7759	
Green / Yellow	117-7761	
16A (1.5mm²)		
Black	117-7762	
Blue	117-7763	
Brown	117-7764	
Red	117-7765	
White	117-7766	
Yellow	117-7767	
Green / Yellow	117-7768	
25A (2.5mm²)		
Black	117-7769	
Blue	117-7770	
Brown	117-7772	
Red	117-7773	
White	117-7774	
Green / Yellow	117-7776	

Over 500 000 products available online



2491B Single Core Flexible



Flexible single core cable with low smoke zero halogen insulation, for internal wiring of appliances with maximum operating temperatures of 90°C.

- Conductors: Annealed copper Insulation
- Type EI.5 Low smoke zero halogen, thermosetting insulation
- Temp Rating: 90°C Max conductor operating temperature

- Voltage Rating: 2491B 300/500V (0.5 to 1.0mm)
- Voltage Rating: 2491B 450/750V (1.5 to 6.0mm)

CSA	Conductor Size	Conductor Resistance ohms/Km. @ 20°C	Nominal Outside Dia
0.5mm ²	16 / 0.2mm	39.0	2.12mm
0.75mm ²	24 / 0.2mm	26.0	2.33mm
1mm ²	32 / 0.2mm	19.5	2.48mm
1.5mm ²	30 / 0.25mm	13.3	2.98mm
2.5mm ²	50 / 0.25mm	7.98	3.63mm
6mm ²	84 / 0.3mm	3.30	5mm

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100m Reels

Price Per Reel

Colour	Order Code	Price Per Reel
0.5mm²		
Black	146-5920	
Green / Yellow	146-5921	
0.75mm²		
Brown	146-5923	
Blue	146-5924	
Black	146-5925	
Green / Yellow	146-5926	
1.0mm²		
Brown	146-5927	
Blue	146-5928	
Black	146-5929	
Green / Yellow	146-5930	
1.5mm²		
Brown	146-5931	
Blue	146-5932	
Black	146-5933	
Green / Yellow	146-5935	
2.5mm²		
Brown	146-5936	
Blue	146-5937	
Black	146-5938	
Green / Yellow	146-5939	
6.0mm²		
Blue	146-5941	
Black	146-5942	
Green / Yellow	146-5943	

Switchgear Wire

Switchgear Wire (BK & CK) to BS6231



- PVC insulated plain annealed copper conductors to BS6231
- Maximum temperature ambient plus load; BK 70°C, CK 80°C (CK types however can be used up to 105°C where there is no flexing or mechanical stress)
- Minimum temperature once installed; BK -20°C, CK -15°C
- Voltage rating: 600/1000V

Flexible switchgear and control wire, applications include the wiring of switch or control panels and in motor starters and controllers.

Current Rating	Conductor Size	CSA	Nominal Wall Thickness	Nominal Outside Dia
19A	32 / 0.2mm	1mm ²	0.8mm	3.3mm
24A	30 / 0.25mm	1.5mm ²	0.8mm	3.6mm
32A	50 / 0.25mm	2.5mm ²	0.8mm	4.1mm
43A	56 / 0.3mm	4mm ²	0.8mm	4.8mm
56A	84 / 0.3mm	6mm ²	0.8mm	5.3mm
79A	80 / 0.4mm	10mm ²	0.8mm	7.2mm
105A	126 / 0.4mm	16mm ²	0.8mm	9mm
141A	196 / 0.4mm	25mm ²	0.8mm	11.5mm
167A	276 / 0.4mm	35mm ²	0.8mm	11.3mm

100m Reels

Price Per Reel

Colour	Order Code	Price Per Reel
19A Type BK		
Black	117-9155	
Red	117-9156	
24A Type CK		
Black	117-9157	
Blue	117-9158	
Red	117-9161	
Green / Yellow	117-9162	
32A Type CK		
Black	117-9163	
Blue	117-9164	
Red	117-9165	
Green / Yellow	117-9167	
24A Type BK		
Black	117-9168	
Green	117-9169	
Red	117-9170	
Green / Yellow	117-9171	
32A Type BK		
Black	117-9173	
Blue	117-9174	
Red	117-9175	
Green / Yellow	117-9176	
43A Type BK		
Black	117-9177	
Red	117-9178	
Green / Yellow	117-9179	
56A Type BK		
Black	117-9180	
Blue	117-9181	
Red	117-9182	
Green / Yellow	117-9183	
79A Type BK		
Black	117-9185	
Red	117-9186	
Green / Yellow	117-9187	

50m Reels

Price Per Reel

Colour	Order Code	Price Per Reel
105A Type BK		
Black	117-9188	
Red	117-9189	
Green / Yellow	117-9190	
141A Type BK		
Black	117-9191	
Red	117-9192	
167A Type BK		
Black	117-9194	

336168

25m Reels

Price Per Reel

Colour	Order Code	Price Per Reel
56A Type BK		
Black	117-9195	
Blue	117-9197	
Red	117-9198	
Yellow	117-9199	
Green / Yellow	117-9200	
79A Type BK		
Black	117-9201	
Red	117-9204	
105A Type BK		
Black	117-9207	
Red	117-9209	
141A Type BK		
Black	117-9212	

Switchgear Wire Type BU (BS6231)



- Switchgear and control wire to BS6231
- Plain annealed copper solid conductor
- Flexible PVC sheath
- Reel length 100m

Voltage rating 600 V (conductors to earth)
1000V (between conductors)

Switchgear Wire - continued

Switchgear Wire Type BU (BS6231) - continued

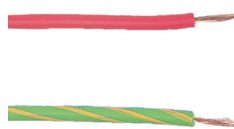
CSA	Current Rating (in free air)	Conductor Size (mm)	Nominal Outside Dia	Price Per Reel
1mm ²	15A	1 / 1.13mm	3.2mm	
1.5mm ²	20A	1 / 1.38mm	3.5mm	
2.5mm ²	28A	1 / 1.78mm	3.9mm	

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Colour	Order Code	Price Per Reel
1.0mm²		
Black	146-5902	
Blue	146-5903	
Red	146-5904	
Green / Yellow	146-5905	
1.5mm²		
Black	146-5906	
Blue	146-5907	
2.5mm²		
Black	146-5912	
Blue	146-5913	
Red	146-5914	
Green / Yellow	146-5915	

Tri-Rated Control & Switchgear Wire

Tri-Rated Control & Switchgear Wire



Applications include wiring of switch, control, metering, relay and instrument panels of power switchgear and for such purposes as internal connections in rectifier equipment and in motor starters and controllers.

- PVC insulated plain annealed copper conductors
- Manufactured to UL1015
- Maximum operating temperature; 105°C
- Supplied in 100m reels

Current	Conductor*	CSA	Nominal	Current	Conductor*	CSA	Nominal
11.5A	16 / 0.19mm	0.5mm ²	3mm	43A	56 / 0.3mm	4mm ²	4.8mm
16A	24 / 0.19mm	0.75mm ²	3.1mm	56A	84 / 0.3mm	6mm ²	5.3mm
19A	32 / 0.2mm	1mm ²	3.3mm	79A	315 / 0.2mm	10mm ²	7.8mm
24A	30 / 0.24mm	1.5mm ²	3.6mm	105A	504 / 0.2mm	16mm ²	9.2mm
32A	50 / 0.24mm	2.5mm ²	4.1mm				

*This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.

339753

Colour	Order Code	Price Per Reel
11.5A (0.5mm²)		
Black	117-8264	
Blue	117-8265	
Brown	117-8266	
Grey	117-8268	
Orange	117-8269	
Red	117-8270	
White	117-8272	
Yellow	117-8273	
Green / Yellow	117-8274	
16A (0.75mm²)		
Black	117-8275	
Blue	117-8276	
Brown	117-8278	
Grey	117-8279	
Orange	117-8280	
Red	117-8281	
Violet	117-8282	
White	117-8284	
Yellow	117-8285	
Green / Yellow	117-8286	
19A (1.0mm²)		
Black	117-8287	
Blue	117-8288	
Brown	117-8289	
Grey	117-8290	
Orange	117-8292	
Red	117-8293	
Violet	117-8294	
White	117-8297	
Yellow	117-8298	
Green / Yellow	117-8299	

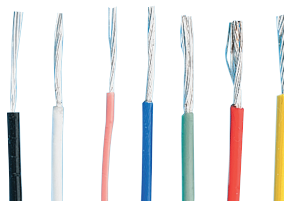
Colour	Order Code	Price Per Reel
24A (1.5mm²)		
Black	117-8300	
Blue	117-8302	
Brown	117-8303	
Grey	117-8304	
Orange	117-8305	
Red	117-8306	
White	117-8307	
Yellow	117-8308	
Green / Yellow	117-8309	
32A (2.5mm²)		
Black	117-8310	
Blue	117-8311	
Brown	117-8312	
Grey	121-9363	
Orange	121-9362	
Red	117-8314	
White	117-8317	
Yellow	117-8315	
Green / Yellow	117-8316	
43A (4.0mm²)		
Black	117-8318	
Blue	117-8319	
Brown	117-8320	
Grey	NEW 177-3459	
Red	117-8321	
Yellow	117-8322	
Green / Yellow	117-8323	
56A (6.0mm²)		
Black	117-8324	
Blue	117-8326	
Brown	117-8327	
Grey	NEW 177-3461	
Red	117-8328	
Yellow	117-8329	
Green / Yellow	117-8330	
79A (10mm²)		
Black	117-8331	
Blue	117-8334	
Brown	NEW 177-3464	
Grey	NEW 177-3462	
Red	117-8332	
Green / Yellow	117-8333	
105A (16mm²)		
Black	117-8336	
Brown	NEW 177-3465	
Grey	NEW 177-3463	
Red	117-8339	
Green / Yellow	117-8341	

Silicone Insulated Equipment Wire

High Temperature Halogen Free Silicone



Silflex® SIF Silicone Single Core



SILFLEX® SIF cables are silicone insulated single core cables recommended for use in the case of high ambient temperatures under sufficient ventilation and low mechanical stress. At room temperature, SILFLEX® SIF is largely resistant against oil, alcohol, alkalis, salt solutions and salt water. The gases are halogen free and non-corrosive.

- Operating temperature -50°C to 180°C max
- Tinned stranded copper conductors
- Silicone insulation
- Supplied on 100m coils due to soft outer jacket

Size (CSA)	Current carrying capacity- amps 30°C nominal rise	Nominal Outside Diameter
0.25mm ²	4	1.9mm
0.5mm ²	9	2.1mm
0.75mm ²	12	2.4mm
1mm ²	15	2.5mm
1.5mm ²	18	2.8mm

448818

Colour	Order Code	Price Per Coil
0.25mm²		
Black	128-5908	
Blue	128-5909	
Yellow	128-5911	
Green	128-5912	
Purple	128-5913	
Red	128-5916	
White	128-5917	
Grey	128-5918	
0.5mm²		
Green / Yellow	128-5921	
Black	128-5922	
Blue	128-5923	
Brown	128-5924	
Yellow	128-5925	
Green	128-5926	
Purple	128-5927	
Orange	128-5929	
Red	128-5930	
White	128-5931	
Grey	128-5933	
0.75mm²		
Black	128-5935	
Blue	128-5936	
Brown	128-5937	
Yellow	128-5938	
Green	128-5939	
Purple	128-5940	
Orange	128-5942	
Red	128-5943	
White	128-5945	
1.0mm²		
Green / Yellow	128-5948	
Black	128-5949	
Blue	128-5950	
Brown	128-5951	
Green	128-5953	
Red	128-5958	
White	128-5959	
1.5mm²		
Green / Yellow	128-5961	
Black	128-5962	
Blue	128-5963	
Brown	128-5964	
Yellow	128-5965	
Red	128-5972	
White	128-5973	
Grey	128-5974	

Silicone Single Core



Tinned annealed stranded copper conductors insulated in type E12 silicone rubber to **BS6195 Table 4 Type 5**. Especially suited to medical, electrical or electronic equipment applications requiring the ability to withstand the presence of ozone, corona discharge, radiation, weathering, oils, solvents and other chemicals, over a wide temperature range.

Operating temperature	-70°C to +180°C	Maximum test voltage	2500V
Conductor Area	Conductor Size	Nominal Wall Thickness	Current Rating
0.22mm ²	7 / 0.2mm	2.2 mm	1.5A
0.5mm ²	16 / 0.2mm	2.6 mm	3A
0.75mm ²	24 / 0.2mm	2.8 mm	6A
1mm ²	32 / 0.2mm	3 mm	10A

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Colour	Order Code	Price Per Reel
0.22mm²		
Black	146-5861	
Red	146-5862	
0.5mm²		
Black	146-5863	
Blue	146-5864	
Brown	146-5865	
Red	146-5868	

Colour	Order Code	Price Per Reel
25m Reels		
0.75mm²		
Black	146-5869	
Blue	146-5870	
Brown	146-5871	
Red	146-5872	
1.00mm²		
Black	146-5873	
Green / Yellow	146-5875	
Red	146-5874	

Heat Resisting Equipment Wire

High Temperature Wire



Tinned stranded annealed copper conductors to **BS6360**. High temperature PVC insulated to **BS6746 Type 4**.

Nominal outside dia. (mm)	1.5
Nominal wall thickness (mm)	0.45
Voltage rating @ 20°C (V)	1000
Current rating @ 20°C (A)	1.5
Max. continuous temperature	85°C (105°C for limited periods)

230934

Colour	Order Code	Price Per Reel
100m Reels		
0.22mm² (7/0.2mm)		
Black	120-2679	
Red	120-2680	

Earth Bonding Straps

Tinned Copper Braid - Flat



This braid is a tight weave of multi-strand, soft drawn tinned copper wire. It is an ideal shielding material for short-run cables, providing easy radial termination. This tinned copper flat braid can be used as a ground strip to provide an excellent, low-resistance ground path. Supplied in 30.5m lengths.

Applications:

- Ground/Shielding terminations ● Point-to-Point Ground Path ● Wire/Cable Shielding

450488

Part No.	Nominal Flat Width (mm)	Nominal Thickness (mm)	Order Code	Price Per Coil
1229	3.18	0.50	130-2722	
1230	4.76	0.50	130-2724	
1231	6.35	0.76	130-2725	
1232	9.53	0.76	130-2726	
1233/2	12.70	0.76	130-2727	
1233	15.90	0.76	130-2728	
1234	19.10	1.02	130-2729	

Tinned Copper Braid - Tubular



This braid is a tight weave of multi-strand, soft drawn tinned copper wire. It is an ideal shielding material for short-run cables, providing easy radial termination. This tinned copper flat braid can be used as a ground strip to provide an excellent, low-resistance ground path. Supplied in 30.5m lengths.

Applications:

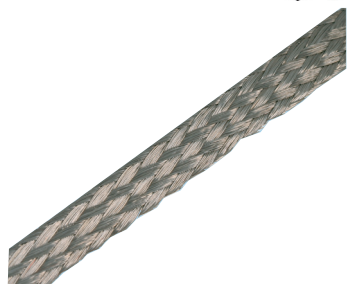
- Ground/Shielding terminations ● Point-to-Point Ground Path ● Wire/Cable Shielding

450506

Part No.	Nominal Diameter (mm)	Order Code	Price Per Coil
2160	0.79	130-2731	
2162	1.59	130-2732	
2163	1.98	130-2733	
2164	2.78	130-2734	
2166	3.18	130-2736	
2167	3.97	130-2737	
2168	4.37	130-2738	
2170	5.16	130-2739	
2171	6.35	130-2740	
2171/1	7.14	130-2741	
2172	9.53	130-2742	
2173	11.11	130-2743	
2174	12.70	130-2744	

Earth Bonding Straps - continued

Copper Bonding Strip



Flat tinned copper braid suitable for earth bonding straps.

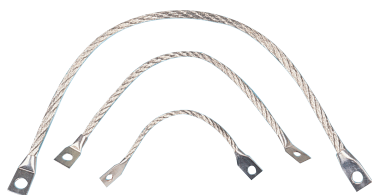
Order Code	Reel Lgth (m)	Max. Curr.(A)	CSA (mm ²)	Width (mm)	Thickness (mm)	Conductor Make-up	DC Resistance Max. (mΩ/ M)
126-8483	25	10	0.5	2	0.5	64 / 0.1mm	40.07
126-8484	25	15	1.13	3	0.75	64 / 0.15mm	15.66
126-8485	25	30	2.26	5	1	128 / 0.15mm	7.83
126-8486	25	63	7.54	10	1.5	240 / 0.2mm	2.67
126-8487	1	90	8.29	11	1.75	264 / 0.20mm	2.135

450154.450149

Price Each

Order Code	Price Each
126-8483	●
126-8484	●
126-8485	●
126-8486	●
126-8487	●

Earth Bonding Straps



Circular tinned copper braid leads in three different sizes. Both ends fitted with integral lug terminations. Suitable for a wide range of earthing applications for equipment housings and enclosures etc.

Length (between ctrs)	Conductor Area	Current Rating	Stud Size Ref.	Hole Dia.	Lug Width	Lug Thickness	Order Code
150mm	10mm ²	85A	M5	5.2mm	14.5mm	2mm	108-766
250mm	15mm ²	120A	M6	6.4mm	15.5mm	2.2mm	108-767
400mm	25mm ²	180A	M8	8.3mm	16.5mm	2.8mm	108-768

230336

Price Each

Length	Order Code
150mm	108-766 ●
250mm	108-767 ●
400mm	108-768 ●

Standard and Insulated Braid



● UK manufactured to **QS9000** and **ISO9000**, **ISO14001** approved.

Terminals	Brazed seam construction High grade conductive copper per ASTM B-152, tin plated to MIL-T10727 Meets or exceeds the requirements of MIL-T-7928, Class 1 & 2 Temp rating 338°F/170°C
Braided Cables	Listed under UL file No E13288 & CSA file No LR7189 Wires conform to BS4109
Insulation	UL file No E85381 VW-1 600V, 150°C CSA file No LR31920FT, 600V, 150°C MIL-DTL-23053/18 class 2

230337

Lead Length mm	Mfrs. List No.	Order Code	Price Each
Uninsulated			
1.13mm CSA Braid M3.5 - M3.5			
100	1337667-1	117-4569 ●	
150	1337667-2	117-4570 ●	
2.26mm CSA Braid M8 - M8			
150	1337668-2	353-2914 ●	
200	1337668-3	353-2926 ●	
7.54mm CSA Braid M5 - M5			
100	1337669-1	353-2938 ●	
150	1337669-2	353-2940 ●	
200	1337669-3	353-2951 ●	
8.29mm CSA Braid M5 - M5			
100	1337670-1	353-2963 ●	
200	1337670-3	353-2987 ●	
10mm CSA Braid M5 - M5			
100	1337671-1	353-2999 ●	
150	1337671-2	353-3001 ●	
200	1337671-3	353-3013 ●	
15mm CSA Braid M6 - M6			
150	1337706-1	353-3025 ●	
250	1337706-2	353-3037 ●	
400	1337706-3	353-3049 ●	
25mm CSA Braid M8 - M8			
250	1337707-1	117-4572 ●	
400	1337707-2	353-3062 ●	
500	1337707-3	353-3074 ●	
Insulated			
0.5mm CSA Braid M3 - M3			
100	1337708-1	353-3086 ●	
1.13mm CSA Braid M3.5 - M3.5			
200	1337709-3	353-3130 ●	
2.26mm CSA Braid M8 - M8			
200	1337710-3	353-3165 ●	
7.54mm CSA Braid M5 - M5			
100	1337711-1	353-3177 ●	
150	1337711-2	353-3189 ●	
200	1337711-3	353-3190 ●	
8.29mm CSA Braid M5 - M5			
150	1337712-2	353-3219 ●	
200	1337712-3	353-3220 ●	

Automotive Wire

Automotive Wire



Insulated wires manufactured to BS6862 Part 1 for automotive, marine and agricultural applications. PVC insulated, plain annealed copper wire resistant to petrol, lubricant oils, fuel oils and dilute acids. Supplied in 100m reels.

Twin Flat – Two cores of 9x0.3mm annealed copper wire laid together and oversheathed in black PVC, forming an oval cable.

- Test Voltage: 1.5kV for 2 minutes
- PVC Insulation Thickness: 0.6mm
- Temperature Rating: 70°C

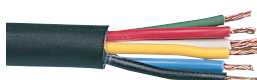
Outer Size	Current Rating	Conductor Strands	Max Core Dia.
3.5 x 6.0mm	5.75A	9 / 0.3mm	2.5mm

385620

Price Per Reel

Order Code	Price Per Reel
120-2756 ●	

Seven Core Trailer Cable



- Seven core trailer cable PVC insulated cores with an overall Black PVC sheath
- | | | |
|---------|---|-------|
| Central | White (2.0mm ²) | 17.5A |
| Outer | Brown, Blue, Black, Yellow, Red and Green (1.0mm ²) | 8.75A |

Maximum overall dia.	10.2mm	Wall thickness cores	0.6mm
Wall thickness sheath	0.8mm		

208164

Price Per Reel

Order Code	Price Per Reel
100m 7-Core 120-2757 ●	

Over 500 000 products available online



Extra Flexible Stranded Wire

Flexiplast® - TPE

0.5, 1.0 and 2.5mm² - (TPE Insulated)



- Plain super-fine multi-stranded Oxygen Free Copper conductors
- High flexible TPE (Thermo Plastic Elastomer) insulation
- High tensile strength
- Non-abrasive
- Light weight (low density)
- Oil resistant
- Resistant to most acids and alkalis
- Halogen free
- Wide temperature range

Operating temperature -30°C to +110°C (continuous) +130°C (intermittent-can be sterilised)

Conductor Area (mm ²)	Conductor Size	Nominal Outside Dia.	Voltage Rating	Current Rating	Mftrs. List No. (x = colour*)
0.5	129 / 0.07mm	2.1mm	500V	10A	60.7180-X
1	258 / 0.07mm	2.7mm	750V	19A	60.7190-X
2.5	651 / 0.07mm	3.6mm	750V	32A	60.7200-X

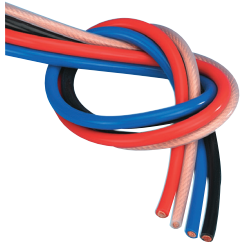
*Colour code = 21-black, 22-red, 23-blue, 24-yellow, 25-green, 26-white

208286

25m Reels		Price Per Reel
Colour	Order Code	
0.5mm²		
Red	135-264	
Black	135-276	
Green	135-288	
Blue	135-290	
Yellow	135-306	
White	135-318	
1.0mm²		
Red	135-320	
Black	135-331	
Blue	135-355	
Yellow	135-367	
2.5mm²		
Red	135-380	
Black	135-392	
Green	135-409	
Blue	135-410	
Yellow	135-422	

Silistrom®

10, 16 and 25mm² - (Silicone Insulated)



- Plain super-fine multi-strand Oxygen Free Copper conductors
- Extremely flexible silicone insulation
- Excellent electrical properties
- Available in Transparent, Black, Red and Blue
- Plain copper conductors sheathed in black chlorinated neoprene
- Halogen free
- High weather and radiation resistance
- Good chemical stability
- Wide temperature range
- UL recognised
- Complies with UL approval temp range -80°C to 90°C

Operating temperature -80°C to +150°C (permanent steam resistance) +250°C (several hours) +300°C (soldering iron resistant - short periods)

Conductor Area (mm ²)	Conductor Size	Nominal Outside Dia.	Wall Thickness	Voltage Rating	Current Rating	Mftrs. List No.
10	2556 / 0.07mm	9mm	2.1mm	1500V	75A	61.7613
16	4116 / 0.07mm	10mm	2.2mm	1500V	100A	61.7614
25	6496 / 0.07mm	11.9mm	2.3mm	1500V	130A	61.7615

208284

10m Coils		Price Per Coil
Area	Order Code	
Transparent		
10mm ²	135-446	
16mm ²	135-458	
25mm ²	135-460	
Black		
10mm ²	317-0299	
16mm ²	317-0305	
25mm ²	317-0317	
Red		
10mm ²	317-0329	
16mm ²	317-0330	
25mm ²	317-0342	
Blue		
10mm ²	317-0354	

Test Lead Wire

128/0.05mm (0.25mm²) - Silicone Insulated



- The large number of fine tinned copper strands ensures a high degree of flexibility and solderability
- Ideal for test lead applications.

Nominal outside dia. 2mm Voltage rating 850V Current rating 1.5A Operating temperature -100°C to +150°C

208070

25m Reels		Price Per Reel
Colour	Order Code	
Red	146-5851	
Black	146-5853	

256/384/504 Strands - Silicone Insulated



- The large number of fine tinned copper strands ensures a high flexibility
- Ideal for test lead applications
- Operating temperature -100°C to +150°C

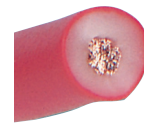
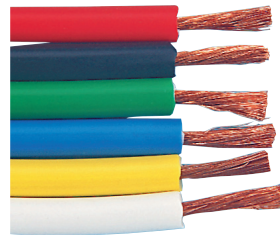
Number of Strands	CSA (mm ²)	Nominal Outside Diameter	Current Rating	Voltage Rating
256 / 0.05mm	0.5	2.5mm	3A	1000V
384 / 0.05mm	0.75	3.3mm	6A	1500V
504 / 0.05mm	1	3.8mm	10A	1500V

230368

25m Reels		Price Per Reel
Colour	Order Code	
(0.5mm ²) Red	146-5854	
(0.5mm ²) Black	146-5856	
(0.75mm ²) Red	146-5857	
(0.75mm ²) Black	146-5858	
(1mm ²) Red	146-5859	
(1mm ²) Black	146-5860	

Flexivolt - 2V 1500V, CAT III

258/0.07mm (1.0mm²) - Double insulated



- Fine stranded plain copper conductors with double layered highly flexible reinforced PVC insulation. Neutral inner with coloured outer for high safety requirements
- Designed for operating voltages in **Overvoltage Category III**
- **UL 94 - HB** recognised

Nominal outside dia. 3.9mm Voltage rating 1500V Test Voltage 8000V Current rating 19A Operating temperature -10°C to +60°C

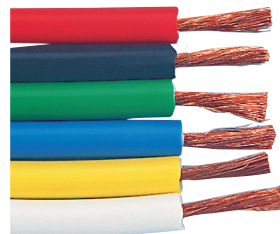
Mftrs. List No. 7030X, where X = 1-black, 2-red, 3-blue, 4-yellow, 5-green

208100

5m Coils		Price Per Coil/Reel
Colour	Order Code	
Red	611-372	
Black	611-384	
Green	611-396	
Blue	611-402	
Yellow	611-414	
25m Reels		
Red	611-438	
Black	611-440	
Green	611-451	
Blue	611-463	
Yellow	611-475	

Silivolt - 1V 1500V, CAT II

512/0.05 (1.0mm²) - Halogen Free Silicone Insulated



- Fine stranded plain copper conductors with highly flexible reinforced halogen free silicone insulation. Chlorine content <4ppm conforming with **DIN VDE 0472, pt 813**.
- Designed for operating voltages in **Overvoltage Category II**
- **UL 94-HB** recognised

Test Lead Wire - continued

Silivolt® - 1V 1500V, CAT II - continued

512/0.05 (1.0mm²) - Halogen Free Silicone Insulated - continued

Nominal outside dia.	3.7mm	Operating temperature	-80°C to +150°C (cont.)
Voltage rating (Cat II)	1500V		-80°C to +250°C (4 hrs.)
Test Voltage	8000V	Soldering iron resistant	+300°C (10 secs.)
Current rating	19A		

Mfrs. List No. 7607X, where X = 1-Black, 2-Red, 8-white

208101

5m Coils		Price Per Coil/Reel
Colour	Order Code	
Red	119-0627	
Black	119-0628	
White	119-0629	

25m Reels		Price Per Coil/Reel
Colour	Order Code	
Red	119-0630	
Black	119-0631	
White	119-0634	

PVC - Double Insulated - 1500V CAT II

651/0.07mm (2.5mm²)

MC



- Fine stranded plain copper conductors with soft PVC double insulation to produce a highly flexible wire as used for Multi-Contact ready made test leads.
- Available in Red or Black with White inner insulation.

Nominal outside dia.	4mm	Current rating	32A
Voltage rating	1500V	Operating temperature	-10°C to +70°C
Test Voltage	8000V		

Mfrs. List No. 22.0130-1 = 297-756/218-054, 22.0130-4 = 297-768/218-066

207974

5m Coils		Price Per Coil/Reel
Colour	Order Code	
Red	297-756	
Black	297-768	

25m Reels		Price Per Coil/Reel
Colour	Order Code	
Red	218-054	
Black	218-066	

'Plast' - 2V

525/0.07mm (2.0mm²)

MC



- Fine stranded plain copper conductors
- Thermoplastic rubber, double insulated
- Operates over a wide temperature range
- Excellent flexibility

Nominal outside dia.	3.9mm	Test Voltage	8000V
Voltage rating	1500V	Operating temperature	-30°C to +110°C (cont.)
Current rating	30A		

207975

5m Coils		Price Per Coil/Reel
Colour	Order Code	
Red	365-3006	
Black	365-3018	

25m Reels		Price Per Coil/Reel
Colour	Order Code	
Red	365-3020	
Black	365-3031	

Flexivolt® - E

26/0.07 0.1mm² - PVC Insulated

MC



- Highly flexible base-insulated stranded wire sheathed in PVC
- Tightly twisted super-fine wire, oxygen-free copper strands
- Ideal for use in mobile components and in high flex/low voltage applications

Nominal outside dia.	1mm	Voltage rating	150V
Nominal cross section	0.1mm ² /27AWG	Test Voltage	2000V
Conductor make up	26 / 0.07mm	Current rating	2A
Conductor dia.	0.4mm	Operating temperature	-10°C to +70°C
Insulation thickness	0.3mm		

60.7001-XX, where X = 21-Black, 22-Red, 23-Blue, 24-Yellow, 25-Green

248608

100m Reels		Price Per Reel
Colour	Order Code	
Black	432-6702	
Red	432-6714	
Blue	432-6726	
Yellow	432-6738	
Green	432-6740	

Flexivolt® - E

66/0.07 0.25mm² - PVC Insulated

MC



- Highly flexible base-insulated stranded wire sheathed in PVC
- Tightly twisted super-fine wire, oxygen-free copper strands
- Ideal for use in mobile components and in high flex/low voltage applications

Nominal outside dia.	1.7mm	Voltage rating	500V
Nominal cross section	0.25mm ² /23AWG	Test Voltage	2200V
Conductor make up	66 / 0.07mm	Current rating	6A
Conductor dia.	0.65mm	Operating temperature	-10°C to +70°C
Insulation thickness	0.5mm		

60.7003-XX, where X = 21-Black, 22-Red, 23-Blue, 24-Yellow, 25-Green

248611

100m Reels		Price Per Reel
Colour	Order Code	
Black	432-6751	
Red	432-6763	
Blue	432-6775	
Yellow	432-6787	
Green	432-6799	

Silivolt® - 1V

256/0.05 0.5mm² - Silicone Insulated

MC



- Super flexible, reinforced silicone insulated stranded wire
- Tightly twisted super-fine wire, oxygen free copper strands

Nominal outside dia.	2.7mm	Test Voltage	8000V
Nominal cross section	0.5mm ² /20AWG	Current rating	12A
Conductor make up	256 / 0.05mm	Operating temperature	-80°C to +150°C
Conductor dia.	1mm		+250°C, for several hours
Insulation thickness	0.85mm		+300°C, temporarily, solder Iron resistant
Voltage rating	1500V		

61.7605-XX, where X = 21-Black, 22-Red, 23-Blue, 24-Yellow, 25-Green

248613

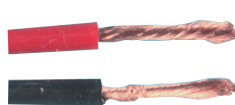
5m Coils		Price Per Coil/Reel
Colour	Order Code	
Black	432-6854	
Red	432-6866	
Blue	432-6878	
Yellow	432-6880	
Green	432-6891	

25m Reels		Price Per Coil/Reel
Colour	Order Code	
Black	432-6908	
Red	432-6910	
Blue	432-6921	
Yellow	432-6933	
Green	432-6945	

Silivolt® - 1V

651/0.07 2.5mm² - Silicone Insulated

MC



- Super flexible, reinforced silicone insulated stranded wire
- Tightly twisted super-fine wire, oxygen free copper strands

Nominal outside dia.	4.6mm	Test Voltage	8000V
Nominal cross section	2.5mm ² /13AWG	Current rating	32A
Conductor make up	651 / 0.07mm	Operating temperature	-80°C to +150°C
Conductor dia.	2.4mm		+250°C, for several hours
Insulation thickness	1.1mm		+300°C, temporarily, solder Iron resistant
Voltage rating	1500V		

61.7610-XX, where X = 21-Black, 22-Red, 23-Blue, 24-Yellow, 25-Green

248614

5m Coil		Price Per Coil/Reel
Colour	Order Code	
Black	432-6957	
Red	432-6969	
Blue	432-6970	
Yellow	432-6982	
Green	432-6994	

25m Reel		Price Per Coil/Reel
Colour	Order Code	
Black	432-7007	
Red	432-7019	
Blue	432-7020	

Flex-Sol
56/0.3 4mm² - Double Insulated



- Single pole, double insulated, halogen free solar cable
- Tinned copper stranding

- VDE tested
- Flame retardant in accordance with **DIN EN 50265-2-1**
- For use indoors and outdoors

Outside dia.	5.8mm	Voltage rating (dc)	1000V
Nominal cross section	4mm ² / 11AWG	Current rating	55A
Conductor make up	56 / 0.3mm	Operating temperature	-40°C to +90°C
Conductor dia.	2.6mm	Max. Resistance/20°C	4.75ohm/km

248617

25m Reels		Price Per Reel
Mfrs. List No.	Colour	Order Code
62.7427-21	Black	173-4622

Flexi-ZW
196/0.07 2x0.75mm² - PVC Insulated



- Twin insulated wires with a PVC Black jacket
- Tightly twisted super-fine wire, oxygen free copper strands

Mfrs. List No. 60.7453-21

Nominal outside dia.	6.9 x 3.4	Voltage rating	1000V
Nominal cross section	2 x 0.75mm ² /18AWG	Test Voltage	8000V
Conductor make up	196 / 0.07mm	Current rating	12A
Conductor dia.		Operating temperature	-10°C to +70°C
Insulation thickness	0.45mm		

248618

Price Per Coil/Reel	
Colour	Order Code
5m Black	432-7100
25m Black	432-7111

Mains Flex

Note: The number of strands used in the construction of the cable is nominal and may vary.
All the cable contained within this section are manufactured to comply fully with the requirements of BS6500.

339070

2192Y (Har. code H03VVH2-F2)
Two-Core Oval 300/300V



Flexible mains cable for internal use in the direct connection of equipment to mains power supplies.

- PVC insulated and sheathed flexible mains cords
- Standard core colours, Brown & Blue
- Available in Black, Grey or White outer sheath
- Manufactured to BS6500
- Supplied in 50m and 100m reels or continuous length in 1m multiples

Conductor Area (mm ²)	Current Rating	Nominal Dia.
0.5	3A	3.3 x 5.4mm
0.75	6A	3.5 x 5.8mm

Price Per Reel

Colour	Order Code
3A 100m Reel	
Black	133-3036
Grey	133-3037
White	133-3034
6A 100m Reel	
Black	133-3041
Grey	133-3042
White	133-3039

Price Per Reel

Colour	Order Code
3A 50m Reel	
Black	133-3035
White	133-3032
6A 50m Reel	
Black	133-3040
White	133-3038

335144

Continuous Length in 1m Multiples

Colour	Order Code	Price Per Metre
3A		
Black	138-7660	
Grey	138-7661	
White	138-7663	
6A		
Black	138-7664	
Grey	138-7665	
White	138-7666	

3192Y (Har. code H05VVH2-F)
Two-Core Oval 300/500V



- PVC insulated and sheathed flexible mains cords
- Available in Black or White outer sheath
- Standard core colours, Brown & Blue
- Manufactured to BS6500

Conductor Area (mm ²)	Current Rating	Nominal Dia.
1	10A	3.9 x 6.4mm

335150

100m Reels		Price Per Reel/Metre
Colour	Order Code	
Black	133-3156	
White	133-3155	
Continuous Length of 1m Multiples		
White	149-4810	
Black	149-4811	

2182Y (Har. code H03VV-F2)
Two-Core Round 300/300V



- PVC insulated and sheathed flexible mains cords
- Available in Black, Grey or White outer sheath
- Standard core colours, Brown & Blue
- Manufactured to BS6500
- Supplied in 50m and 100m reels or continuous length in 1m multiples

Conductor Area (mm ²)	Current Rating	Nominal Dia. (mm)
0.5	3A	5.4
0.75	6A	5.8

Price Per Reel

Colour	Order Code
3A 100m Reel	
Black	133-3047
Grey	133-3048
White	133-3044
6A 100m Reel	
Black	133-3052
Grey	133-3053
White	133-3050

Price Per Reel

Colour	Order Code
3A 50m Reel	
Black	133-3046
White	133-3043
6A 50m Reel	
Black	133-3051
White	133-3049

335151

Continuous Length in 1m Multiples		Price Per Metre
Colour	Order Code	
3A		
Black	138-7667	
Grey	138-7668	
White	138-7669	
6A		
Black	138-7670	
Grey	138-7671	
White	138-7673	

Mains Flex - continued

3182Y (Har. code H05VV-F2) Two-Core Round 300/500V



- PVC insulated and sheathed flexible mains cords
- Standard core colours, Brown & Blue



- Available in various outer sheath colours
- Manufactured to BS6500
- Supplied in 50m, 100m reels or continuous lengths in 1m multiples

Conductor Area (mm ²)	Current Rating	Nominal Dia. (mm)	Conductor Area (mm ²)	Current Rating	Nominal Dia. (mm)
0.5	3A	6.3	1.5	15A	7.4
0.75	6A	6.35	2.5	20A	9.4
1	10A	6.4			

Price Per Reel

Colour	Order Code
3A 100m Reel	
Black	133-3067
Grey	120-2700
White	133-3066
6A 100m Reel	
Black	133-3072
Grey	133-3074
White	133-3068
Orange	133-3075
10A 100m Reel	
Black	133-3078
Grey	120-2702
15A 100m Reel	
Black	133-3087
White	133-3085
Grey	120-2705
20A 100m Reel	
Black	133-3089
White	133-3088
Orange	120-2707

Price Per Reel

Colour	Order Code
6A 50m Reel	
Black	133-3073
10A 50m Reel	
Black	133-3079
White	133-3077
15A 50m Reel	
Black	133-3086

335152

Colour	Order Code
Continuous Length in 1m Multiples	
6A	
White	149-4797
Black	149-4798
10A	
White	149-4799
Black	149-4800
15A	
White	149-4801
Black	149-4802

Price Per Metre

3 Core Unshielded Electrical Cord Type SJT



Applications:

- Motor Controls
- In-Plant Power Distribution

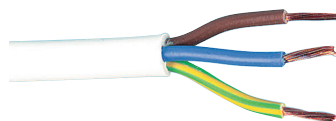
Specification:

- Stranded Bare Copper conductors
- Conductors insulated in Blue, Brown & Green/Yellow PVC
- Black PVC Jacket, Unshielded
- Voltage Rating: 300V
- Operating Temperature: -20°C to 60°C
- 76.2m Reels

450368

Wire Size	Diameter (mm)	Alpha Wire Part No.	Order Code	Price Per Reel
18AWG	8.4	1941/3	130-2752	
16AWG	8.9	1942/3	130-2753	

2183Y (Har. code H03VV-F3) Three-Core Oval 300/300V



Flexible mains cable for internal use in the direct connection of equipment to mains power supplies.



- PVC insulated and sheathed flexible mains cords
- Standard core colours, Brown, Blue & Yellow/Green

- Available in Black, Grey or White outer sheath
- Manufactured to BS6500
- Supplied in 50m and 100m reels or continuous length in 1m multiples

Colour	Order Code
3A 100m Reel	
Black	133-3058
Grey	133-3059
White	133-3055
6A 100m Reel	
Black	133-3064
Grey	133-3065
White	133-3061

Price Per Reel

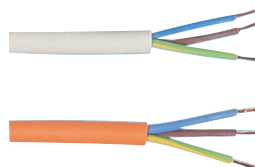
Colour	Order Code
3A 50m Reel	
Black	133-3056
White	133-3054
6A 50m Reel	
Black	133-3062
White	133-3060

Price Per Reel

Colour	Order Code	Price Per Metre
Continuous Length in 1m Multiples		
3A		
Black	138-7675	
Grey	138-7676	
White	138-7677	
6A		
Black	138-7678	
Grey	138-7681	
White	138-7682	

335166

3183Y (Har. code H05VV-F3) Three-Core Round 300/500V



- PVC insulated and sheathed flexible mains cords
- Standard core colours, Brown, Blue & Green/Yellow
- Available in various outer sheath colours
- Manufactured to BS6500



Conductor Area (mm ²)	Current Rating	Nominal Dia. (mm)
0.75	6A	6.6
1	10A	7.2
1.25	13A	7.8
1.5	15A	8.9
2.5	20A	10
4	25A	11.5

Price Per Reel

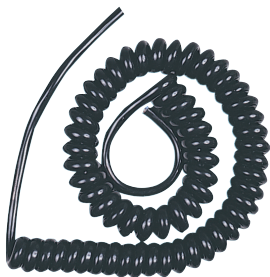
Colour	Order Code
6A 100m Reel	
Black	133-3092
Grey	133-3095
White	133-3090
Orange	133-3096
Black	133-3099
Grey	133-3102
White	133-3097
Orange	133-3103

Order Code		Price Per Reel
13A 100m Reel		
Black	133-3106	
Grey	133-3108	
White	133-3104	
Orange	133-3109	
15A 100m Reel		
Black	133-3113	
Grey	133-3115	
White	133-3110	
Orange	133-3116	
20A 100m Reel		
White	133-3117	
Black	133-3120	
Orange	133-3122	
25A 100m Reel		
Black	133-3126	

Colour	Order Code	Price Per Reel
6A 50m Reel		
Black	133-3093	
White	133-3091	
Black	133-3101	
White	133-3098	
13A 50m Reel		
White	133-3105	
15A 50m Reel		
Black	133-3114	
White	133-3111	
20A 50m Reel		
Black	133-3121	

Continuous Length in 1m Multiples		Price Per Metre
Colour	Order Code	
6A		
Black	138-7683	
White	138-7684	
10A		
Black	138-7685	
White	138-7687	
15A		
Black	138-7688	
White	138-7689	
20A		
Black	138-7690	
White	138-7691	

Coiled Mains Flex (0.20, 0.75 & 1.25mm²) 

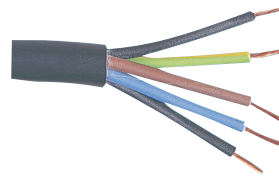


- Three core, Blue, Brown and Green/Yellow
- PVC insulated extendable mains lead available in three current ratings
- Moulded into a coiled Black, White or Grey PVC sheath.
- Approximate length of 2m

Conductor Area (mm ²)	Length Closed	Current Rating
0.22	0.23m	1A
0.75	0.5m	6A
1	0.5m	10A
1.25	0.5m	13A

Conductor Area	Order Code	Price Each
Black		
0.22mm ²	121-9350	
0.75mm ²	120-2667	
1mm ²	120-2668	
1.25mm ²	121-9351	
White		
0.22mm ²	121-9353	
0.75mm ²	120-2669	
1mm ²	120-2670	
1.25mm ²	121-9354	
Grey		
1mm ²	120-2671	

0.75, 1.0, 1.5 and 2.5mm² - 3184Y/3185Y 



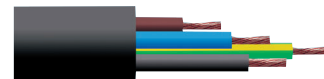
- 4 and 5 core PVC insulated copper conductors. Sheathed overall in Black or White PVC to **BS6500 Table 16**, harmonised code **H05VV-F**. 4 core brown, black, grey, green/yellow. 5 core as above + 1 blue conductor

Conductor Area	Nominal Conductor Size	Diameter External	Nominal Current
0.75mm ²	24 / 0.2mm	7.7mm	6A
1mm ²	32 / 0.20mm	8.5mm	10A
1.5mm ²	30 / 0.25mm	8.9mm	15A
2.5mm ²	50 / 0.25mm	12.5mm	20A

100m Reels		Price Per Reel
Conductor Area	Order Code	
4 core(Black)		
0.75mm ²	133-3130	
1mm ²	133-3132	
1.5mm ²	133-3134	
2.5mm ²	133-3138	
5 core(Black)		
0.75mm ²	133-3140	
1mm ²	133-3142	
1.5mm ²	133-3144	
2.5mm ²	133-3146	
4 core(White)		
0.75mm ²	133-3129	

Continuous Length in 1m Multiples		Price Per Metre
Conductor Area	Order Code	
4 core (Black)		
0.75mm ²	138-7692	
1mm ²	138-7693	
1.5mm ²	138-7694	
2.5mm ²	138-7695	
5 core (Black)		
0.75mm ²	138-7696	
1mm ²	138-7699	
1.5mm ²	138-7702	
2.5mm ²	138-7705	

H07RN-F Cable 



Cut Lengths Available

- Flexible, single and multi-core insulated and sheathed cable
- H07RN-F 450/750V part 4 and HD 22.4 S3 and DIN VDE 0282 part 4
- Voltage rated: 450/750V rms
- Ethylene propylene rubber sheath, type EI 4
- Operating temperature: -25 to 60°C
- Flexible tinned copper conductors
- Ideal for water pumps, portable equipment or machine tools

Number of cores	Current Rating	CSA	Nominal Outside Dia	Number of cores	Current Rating	CSA	Nominal Outside Dia
2	15A	1.5mm ²	8.9mm	3	25A	4mm ²	13mm
3	15A	1.5mm ²	9.5mm	4	15A	1.5mm ²	10.4mm
3	20A	2.5mm ²	11.3mm	4	25A	4mm ²	14.3mm

Order Code	CSA	Reel Size	Price Per Reel
2 core			
146-5876	1.5mm ²	50m	
146-5877	1.5mm ²	100m	
3 core			
146-5878	1.5mm ²	50m	
146-5881	1.5mm ²	100m	
146-5882	2.5mm ²	50m	
146-5884	4mm ²	50m	
4 core			
146-5885	1.5mm ²	50m	
146-5888	4mm ²	50m	

Mains Flex - continued

H07RN-F Cable - continued

337898

Continuous Length in 1m Multiples		Price Per Metre
Order Code	CSA	
2 core		
149-4812	1.5mm ²	
3 core		
149-4813	1.5mm ²	
149-4814	2.5mm ²	
149-4815	4mm ²	
4 core		
149-4816	1.5mm ²	
149-4819	4mm ²	

Mains Flex - Rubber Insulated

Rubber Sheathed Flexible Cable - H05RR-F



- Copper conductors insulated with EM1 rubber to form a round cable
- For use in offices, kitchens, domestic premises to supply portable and light mobile appliances subject to lower mechanical stress

- Sheath colour Black.

Voltage rating 300/500V Max. conductor temp. +60°C

3182 VR/TRS - 2 Core

Conductor Area (mm ²)	Current Rating	Nominal Dia.	Order Code
0.75mm ²	6A	7.1mm	146-5891
1mm ²	10A	7.7mm	146-5893
1.5mm ²	15A	9.4mm	146-5894

100m - 2 Core		Price Per Reel
Conductor Area	Order Code	
0.75mm ²	146-5891	
1mm ²	146-5893	
1.5mm ²	146-5894	

Continuous Length in 1m Multiples - 2 Core		Price Per Metre
Conductor Area	Order Code	
0.75mm ²	149-4821	
1mm ²	149-4822	
1.5mm ²	149-4823	

3183 VR/TRS - 3 Core

Conductor Area (mm ²)	Current Rating	Nominal Dia.	Order Code
0.75mm ²	6A	7.7mm	146-5895
1mm ²	10A	8.1mm	146-5896
1.5mm ²	15A	9.8mm	146-5897

100m - 3 Core		Price Per Reel
Conductor Area	Order Code	
0.75mm ²	146-5895	
1mm ²	146-5896	
1.5mm ²	146-5897	

3184 VR/TRS - 4 Core

Conductor Area (mm ²)	Current Rating	Nominal Dia.	Order Code
0.75mm ²	6A	8.5mm	146-5898
1mm ²	10A	8.8mm	146-5899
1.5mm ²	15A	11.2mm	146-5901

100m - 4 Core		Price Per Reel
Conductor Area	Order Code	
0.75mm ²	146-5898	
1mm ²	146-5899	
1.5mm ²	146-5901	

Continuous Length in 1m Multiples - 4 Core		Price Per Metre
Conductor Area	Order Code	
0.75mm ²	149-4827	
1mm ²	149-4828	
1.5mm ²	149-4829	

208131

REACH - SVHCs



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Mains Flex - Arctic Grade

3183YAG - Arctic Grade Three-Core Round Arctic Flex



- Plain stranded copper conductors, Blue, Brown, Green/Yellow insulated.
- Sheathed overall in Arctic grade PVC
- Suitable for outdoor applications and where flexibility is required at sub-zero temperatures
- Available in Yellow, Blue or Orange sheath

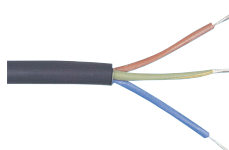
Voltage rating	300/500V	Operating temperature		Current Rating (A)
		-20°C to +70°C		
Conductor Area (mm ²)		Outside Diameter (mm)		
		Min.	Max.	
		0.75	6.4	
1.5	8	9.8	15	
2.5	9.6	12	20	

100m Reels		Price Per Reel
Conductor Area	Order Code	
Yellow		
0.75mm ²	120-2675	
1.5mm ²	163-7998	
2.5mm ²	163-8000	
Blue		
0.75mm ²	163-2291	
1.5mm ²	163-7999	
2.5mm ²	163-8001	
Orange		
0.75mm ²	120-2676	
1.5mm ²	120-2677	
2.5mm ²	120-2678	

230420

Mains Flex - Heat Resisting

Silicone Insulated, 3093Y



- Blue, Brown and Green/Yellow
- Tinned copper conductors
- Silicone rubber insulated to BS6899
- Sheathed overall in high temperature PVC to BS6746, Type 4

Max. working temperature 85°C Sheath, 150°C Core

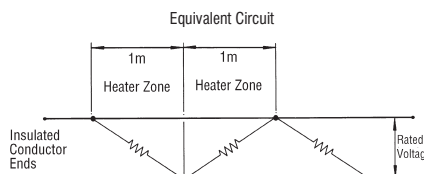
Conductor Area (mm ²)	Outside Diameter (mm)	Current Rating (20°C)	Conductor Area (mm ²)		Outside Diameter (mm)		Current Rating (20°C)
			Min.	Max.	Min.	Max.	
0.5	5.8	7.8	3A	1	6.8	8.4	10A
0.75	6.4	8.0	6A	1.5	7.3	8.00	15A

230421

Price Per Reel	
Conductor Area	Order Code
Black (100m Reels)	
0.5mm ²	117-9218
0.75mm ²	117-9219
1mm ²	117-9220
Black (25m Reels)	
0.75mm ²	117-9221
1.5mm ²	117-9222
White (25m Reels)	
0.75mm ²	117-9225
1.5mm ²	117-9227

Parallel Circuit Heating Cable

VC240V 8W/m



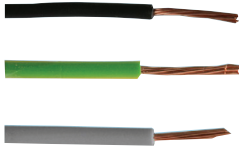
- Twin Blue silicone rubber insulated 30/0.25mm (1.5mm²) plain copper conductors with continuous nickel/chrome spiral wound heating element. Sheathed overall in Yellow silicone rubber
- Supplied with an Earth screen braid
- Designed for frost protection and process control, the cable consists of a number of heating zones, each connected across both conductors (indicated by alternate notches along outer sheath). The cable heats up between notches when the conductors are connected to 240V.
- Supplied as a 20m kit with 3 termination sets, fixing tape and instructions.

Dimensions	9.75 x 5.25	Output rating	8W @ 240V
Operating temperature	-60°C to +200°C	Voltage rating	240V ac/dc
Surface temperature @ 20 ambient	38°C		

20m Reel Kit	Price Each
Order Code	
179-4119 ●	

Mains Installation

6491X Conduit Cable BS6004



- BASEC approved
- Harmonise type H07V-R1 (1.5mm to 16mm) or H05V-U1 (1.0mm)
- Copper conductors are insulated with PVC to BS 6004 table 1
- Voltage ratings between conductor & earth: 450V (750V between conductors)
- Various insulation colours available
- Supplied in 100m reels

These cables are for use in electrical installation applications where cables are going to be protected by conduit or trunking. They may also be used inside fixed, protected installations such as light fittings, appliances, switchgear and control gear, which are to be used in normal temperature zones.

Conductor CSA size	Strands	Current Rating	Nominal Outside Dia	Conductor CSA size	Strands	Current Rating	Nominal Outside Dia
1mm ²	1 / 1.13mm	13A	2.8mm	4mm ²	7 / 0.85mm	32A	4.8mm
1.5mm ²	7 / 0.53mm	17A	3.5mm	6mm ²	7 / 1.04mm	41A	5.4mm
2.5mm ²	7 / 0.67mm	24A	4.2mm	10mm ²	7 / 1.35mm	55A	6.8mm

Order Code	Colour	Price Per Reel
1.0mm²		
133-3157 ●	Black	
133-3158 ●	Blue	
133-3160 ●	Green / Yellow	
120-2719 ●	Red	
1.5mm²		
133-3165 ●	Brown	
133-3163 ●	Black	
133-3164 ●	Blue	
133-3166 ●	Green / Yellow	
120-2722 ●	Red	
2.5mm²		
133-3170 ●	Brown	
133-3168 ●	Black	
133-3169 ●	Blue	
133-3171 ●	Green / Yellow	
120-2725 ●	Red	
4.0mm²		
133-3176 ●	Brown	
133-3174 ●	Black	
133-3175 ●	Blue	
133-3177 ●	Green / Yellow	
6.0mm²		
133-3181 ●	Brown	
133-3179 ●	Black	
133-3183 ●	Grey	
133-3180 ●	Blue	
133-3182 ●	Green / Yellow	
10mm²		
133-3188 ●	Green / Yellow	
16mm²		
133-3194 ●	Grey	
133-3191 ●	Blue	

Conduit Wire 6491B-LSF



Current Rating	Conductor Area mm ²	Conductor Size (mm)	Nominal Outside Dia.
17A	1.5mm ²	7 / 0.53mm	3.5mm
24A	2.5mm ²	7 / 0.67mm	4.1mm
32A	4mm ²	7 / 0.85mm	4.8mm
41A	6mm ²	7 / 1.04mm	5.4mm

Voltage rating 450/750V
Max. operating temperature +90°C
Plain annealed copper conductors insulated in LSF (low smoke and fume) thermosetting insulation manufactured to BS7211.

Colour	Order Code	Price Per Reel (100m)
17A (1.5mm²)		
Brown	133-3204 ●	
Grey	133-3206 ●	
Blue	133-3202 ●	
Green / Yellow	133-3205 ●	
24A (2.5mm²)		
Brown	133-3209 ●	
Black	133-3207 ●	
Grey	133-3211 ●	
Blue	133-3208 ●	
Green / Yellow	133-3210 ●	
32A (4.0mm²)		
Brown	133-3214 ●	
Black	133-3212 ●	
Grey	133-3217 ●	
Blue	133-3213 ●	
Green / Yellow	133-3216 ●	
41A (6.0mm²)		
Brown	133-3220 ●	
Blue	133-3219 ●	
Green / Yellow	133-3221 ●	

Glass Fibre Braided Silicone Rubber Cable



- Tinned copper stranded conductor covered with silicone rubber and a glass fibre braid
- Suitable for use where PVC cables become brittle due to high temperature variations
- Temperature rating 150°C continuous and short term up to 180°C
- Supplied in 25m reels

Conductor Make-up	Current Rating	Voltage Rating	Nominal Outside Dia.
24 / 0.2mm	6A	300V	2.5mm
30 / 0.2mm	15A	300V	3mm

Type	Order Code	Price Per Reel
24 / 0.2mm	146-5916 ●	
30 / 0.2mm	146-5917 ●	

Telecommunication Cable

Modular Telephone Cable



- Multiconductor, Stranded Unshielded Flat (Oval)
- 26 AWG (7/34AWG)
- Insulated in Polyethylene and Silver Satin PVC
- 100m Reels

Number of Conductors	Size (Thickness x Width)	Alpha Wire Part No.	Order Code
4	2.5mm x 5.0mm	1604	130-2745 ●
6	2.5mm x 7.0mm	1606	130-2746 ●
8	2.5mm x 8.9mm	1608	130-2749 ●

7/0.15mm CW1311 - Oval



- Tinned copper conductor line cord sheathed overall in light Grey non-marring PVC to BT Specification CW1311. Suitable for connection of handset plugs.

Normal colour coding to plug pin number.

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6
—	White	Green	Blue	Red	—
Black	White	Green	Blue	Red	Orange

Nominal Dimension (mm)	Core Colour	Order Code
5-5.5 x 3-3.5	4-Red, Blue, Green, White	120-2604
7-7.5 x 3-3.5	6-Orange, Red, Blue, Green, White, Black	120-2605

Telecommunication Cable - continued

7/0.15mm CW1311 - Oval - continued

208254

100m Reel		Price Per Reel
No. of Cores	Order Code	
4	120-2604	
6	120-2605	

7/0.15mm Flat Cable



A flat, low profile cordage for use with RJ11, RJ12 and RJ45 type connectors. PVC insulated copper conductors in parallel with overall PVC sheath and

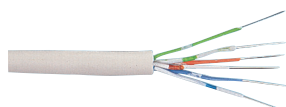
available in 4 and 6 cores.

Dimensions 4 Core (7 x 2.46mm), 6 Core (7 x 2.46mm) nom.
 Core Colour Codes 4 Core: Yellow, Green, Brown, White
 6 Core: Yellow, Green, Brown, White, Blue, Red

523733

100m Reel		Price Per Reel
4 Core	Order Code	
White	164-3744	
Grey	164-3746	
6 Core	Order Code	
White	164-3747	
Grey	164-3748	

1/0.5mm CW1308 - Round



- Sheathed overall in White PVC to **BT Specification CW1308**
- Suitable for the connection of telephone line outlet sockets.
- Available in 100m reels and cut to length

Nominal outside diameter: 2 pair (2.9mm), 3 pair (4.4mm), 4 pair (5.0mm), 6 pair (5.6mm), 10 pair (6.65mm).
 Maximum working voltage 80V ac (up to 10KHz)
 Conductor resistance @ 20°C 97.8Ω/1000m
 Capacitance (unbalanced) 500pF
 Insulation resistance 50MΩ @ 20°C

Colour Coding (BASE COLOUR - Band colour)

1 WHITE-Blue	5 WHITE-Green	9 WHITE-Grey	13 RED-Orange	17 RED-Brown
2 BLUE-White	6 GREEN-White	10 GREY-White	14 ORANGE-Red	18 BROWN-Red
3 WHITE-Orange	7 WHITE-Brown	11 RED-Blue	15 RED-Green	19 RED-Grey
4 ORANGE-White	8 BROWN-White	12 BLUE-Red	16 GREEN-Red	20 GREY-Red

Suitable cable clips: 2 pair=150-824, 3 pair=150-331, 4 pair=150-332, 6 pair=150-825, 10 pair=150-333, 12 pair=150-333, 20 pair=150-334.

100m Reel		Price Per Reel
No. of Cores	Order Code	
4 (2 pair)	147-769	
6 (3 pair)	147-770	
8 (4 pair)	148-941	
12 (6 pair)	148-942	
20 (10 pair)	148-943	

219625

FCC-68/Data Cable

4, 6, and 8 Core: 7/0.16mm (26 AWG) - Flat



- 4, 6 and 8-core line cordage
- Western Electric and FCC-68 style plugs application
- Plain copper conductors insulated in colour coded PVC and sheathed overall in PVC
- Available in 100m reels and cut to length



6 Core


Normal colour coding to plug pin number.

100m Reel		Price Per Reel
4 Core	Order Code	
Grey	120-2606	
Black	120-2607	
White	120-2608	
6 Core	Order Code	
Grey	120-2609	
Black	120-2610	
White	120-2611	
8 Core	Order Code	
Grey	120-2612	
Black	120-2614	

227230

Continuous Length in 1m Multiples

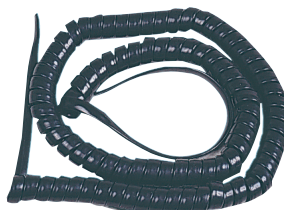
Price Per Metre

4 Core	Order Code	
Grey	146-1482	
Black	146-1483	
White	146-1484	
6 Core	Order Code	
Grey	146-1486	
Black	146-1487	
White	146-1488	
8 Core	Order Code	
Grey	146-1489	
Black	146-1490	

FCC-68/Western Electric Telecoms/Data Cable



Coiled Leads - 4, 6 & 8 Core: Tinsel Cord - Flat



- 4, 6 and 8 core line cordage
- Tinsel cord
- PVC sheathed overall
- FCC-68 style plug application
- Extended length approximately 10ft

6 Core


Normal colour coding to plug pin number.

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
4 core	—	—	Black	Red	Green	Yellow	—	—
6 core	—	White	Black	Red	Green	Yellow	Blue	—
8 core	Blue	Orange	Black	Red	Green	Yellow	Brown	Grey

208030

Price Each

4 Core	Order Code	
Grey	120-2615	
Black	120-2616	
6 Core	Order Code	
Grey	120-2617	
Black	120-2618	
8 Core	Order Code	
Grey	120-2619	
Black	120-2620	

Signal/Security Cable

Composite CCTV Cable

Jacketless - Riser Rated



- Designed CCTV/Surveillance applications
- No overall jacket
- Composite consists of 3 groups of cables
- Banana Peel® construction with coax, twisted pair and unshielded conductors
- 152.4m Reels

Cable Group 1 - Video RG 59/U Coax, 20 AWG (solid) Bare Copper
 Cable Group 2 - Control 1 Pair, Shielded, Stranded Bare Copper
 130-2866 = 23 AWG, 130-2867 = 22 AWG, 130-2868 = 18 AWG,
 Cable Group 3 - Power 2-Conductor, 18 AWG, Unshielded, Stranded Bare Copper

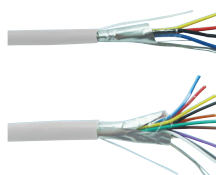
Nominal OA Diameter	Minimum Bend Radius	Maximum Pulling Tension	Mftrs List No.	Order Code
10.44mm	104mm	115lb	500PTZ 000500	130-2866
10.64mm	106mm	120lb	501PTZ 000500	130-2867
11.46mm	114mm	140lb	502PTZ 000500	130-2868

450483

Price Per Reel

Order Code	
130-2866	
130-2867	
130-2868	

7/0.18mm (0.24mm²) Alarm Cable

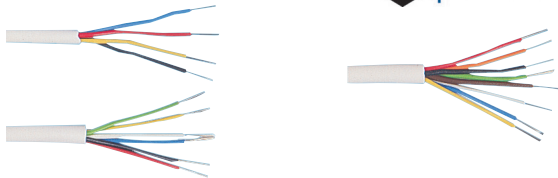


- Tinned copper conductors with a colour coded PVC insulator, sheathed overall in Grey PVC
- Suitable for security, alarm and signal applications
- Available in 100m reels

Overall diameter	2 Core (3mm), 4 Core (3.5mm), 6 Core (4.1mm), 8 Core (4.5mm), 10 Core (5.2mm) nom.
Core Colour Codes	2 Core: Red, Blue 4 Core: Red, Blue, Black, Yellow 6 Core: Red, Blue, Black, Yellow, White, Green 8 Core: Red, Blue, Black, Yellow, White, Green, Brown, Orange 10 Core: Red, Blue, Black, Yellow, White, Green, Brown, Orange, Purple, Grey

100m Reels		Price Per Reel
No. of Cores	Order Code	
2	164-3739	
4	164-3740	
6	164-3741	
8	164-3742	
10	164-3743	

7/0.18mm (0.22mm²) Alarm Cable



- Tinned copper conductors with a colour coded PVC insulator, sheathed overall in White PVC to **BS4737:Section 3.30**
- Suitable for security, alarm and signal applications
- This cable is manufactured with 7/0.18mm construction. However electrical resistance values meet those set out in the British Standard, where nominal construction of the cable is 7/0.2mm
- Available in 100m reels

Current rating	1A @ 50V ac
Max Conductor Resistance @ 20°C	92.4 Ω/Km
Max. Operating Temp	70°C
Core Colour Codes	4 Core: Red, Blue, Yellow, Black 6 Core: Red, Blue, Yellow, Black, White, Green 8 Core: Red, Blue, Yellow, Black, White, Green, Orange, Brown

100m Reels		Price Per Reel
No. of Cores	Outside Dia. (mm)	Order Code
4	3.45	120-2764
6	4	120-2766
8	4.35	120-2767

Screened - Alarm Cable
7/0.2mm (0.22mm²)

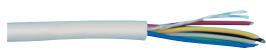


- Tinned copper conductors with a colour coded PVC insulator, sheathed overall in White PVC to **BS4737**
- Suitable for security, alarm and signal applications
- Foil screened overall

Current rating	1A
Voltage rating	50V rms

100m Reels		Price Per Reel
No. of Cores	Order Code	
6	378-7710	
8	378-7722	

Low Smoke and Fume
7/0.2mm (0.22mm²)



- Tinned copper conductors with a colour coded PVC insulator, sheathed overall in low smoke and fume (LSF) White PVC to **BS4737**
- Suitable for security, alarm and signal applications

Overall diameter	4 Core 3.5mm, 6 Core 4.1mm	Current rating	1A
		Voltage rating	50V rms

100m Reels		Price Per Reel
No. of Cores	Order Code	
4	378-7734	
6	378-7746	

9265 Audio and Video Composite Camera



- Consisting one coax-composite video, plus one twisted pair audio
- Coax 22AWG (730/AWG) 0.30 bare copper conductor
- Foam polyethylene dielectric. Excellent mechanical abilities



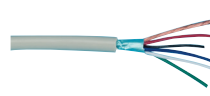
- Braid shield giving 95% coverage
- 1 twisted pair conductors each comprising 22AWG (730/AWG) tinned copper
- Colour coded Red, Black PVC insulation, encased in Beldfoil® shield, giving 100% coverage

- Overall cable Black PVC jacketed Siamese cable RG59 type
- Cable can be used in different configurations e.g. CCTV, where twisted pairs can be used to power camera, alternatively twisted pairs can be used for audio/microphone applications such as company videos, onsite recording, training films, etc.

Nominal outside diameter	6.15 x 11.94	Coax max attenuation (100m)	1MHz @ 1.0dB
Nominal Impedance	75Ω coax, 355Ω conductors		10MHz @ 3.3dB
Nominal Capacitance	167.3pF/m, 56.8pF/m		50MHz @ 6.9dB
Conductor/Coax resistance	49.2Ω/km		100MHz @ 9.8dB

152.5m Reel		Price Per Reel/Metre
Belden No.	Order Code	
9265	118-2129	
Continuous Length in 1m Multiples		
9265	121-8663	

Covert Camera Cable



- Small Grey cable ideal for covert camera installations
- Cable is 5mm diameter and capable of carrying video, audio, alarm and 12V power signals together
- Foil screened and PVC sheathed

1 x 75Ω video core	7/0.2mm copper strand	Insulator	PVC	Screen	32/0.12 braid copper	Colour	Yellow
4 x Signal/Aux Cores	7/0.2mm copper strand		PVC		None		Blue, Green, White, Red
Overall			PVC		Aluminium Sheath		White
Outside Diameter	5mm						

100m Reel		Price Per Reel
Blue, Green, White, Red, Yellow	Order Code	
	378-7930	

CCTV Cable



- Black composite cable ideal for use with CCTV
- 6 cores, 2 x 12V power, 1 x 75Ω coaxial and 3 x signal
- Foil screened

1 x 75Ω video core	16/0.2mm copper strand	2 x 12V Power Cores	16/0.2mm copper strand	3 x Signal/Aux Cores	7/0.2mm copper strand
Conductor	16/0.2mm copper strand				
Insulator	3mm polythene				
Conductive Cross-section		0.44mm ²		0.22mm ²	
Screen	32/0.12 braid copper				
Colour	Yellow	Black, Red		Blue, Green, White	
Overall	Black PVC Sheath, Nominal outside diameter 7.9mm				

100m Reel		Price Per Reel
Black	Order Code	
	378-7941	

Security and Alarm Cable
Non - Paired Cable



- 22 AWG Bare copper conductors
- 7 x 30 Stranding
- PE Insulation
- Flame Retardant Non-Corrosive Jacket with ripcord
- Sequential meter marking
- Intercom/PA Systems, Sound/Audio Systems
- Supplied in 100m reels

Mfrs list No	Number of Conductors	Order Code	Price Per Reel
Unshielded			
4502UE	4	142-3261	
Beldfoil® shielded with drain wire			
4500FE	2	142-3259	
4502FE	4	142-3260	
4504FE	6	142-3262	
4506FE	8	142-3263	

Commercial Audio System Cable
5000UE Non-Paired



- 12 AWG Bare copper conductor
- PVC insulation
- PVC jacket with ripcord
- Sequential footage marking every two feet

UL 1666			
Applications: Intercom/PA Systems, Sound/Audio Systems, Fire Alarm			
Nominal outside diameter	6.81mm	Operating temperature	-20°C to +75°C
Capacitance (Core-Core)	33.5pF/ft	Max operating voltage	300V rms

Signal/Security Cable - continued

Commercial Audio System Cable - continued

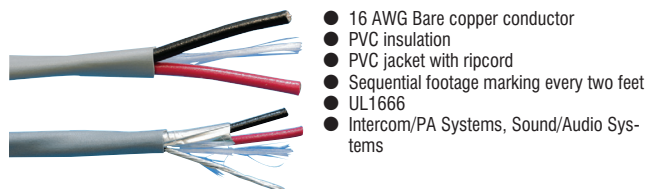
5000UE Non-Paired - continued

478395

Reel Size	Order Code	Price Per Reel
152.4m	142-3270	

Commercial Audio System Cable

5200 FE/UE Non-Paired



- 16 AWG Bare copper conductor
- PVC insulation
- PVC jacket with ripcord
- Sequential footage marking every two feet
- UL1666
- Intercom/PA Systems, Sound/Audio Systems

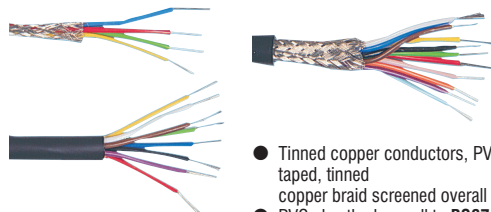
Nominal outside diameter	4.78mm	Operating temperature	-20°C to +75°C
Current (per conductor)	6.25A	Max operating voltage	300V rms

478396

Mfrs List No	Reel Size	Order Code	Price Per Reel
Unshielded			
5200UE	152.4m	142-3274	
Beldfoil® shielded with drain wire			
5200FE	152.4m	142-3273	

Multicore Cable

Multicore Cable



- Tinned copper conductors, PVC, insulated, Melinex taped, tinned copper braid screened overall where applicable
- PVC sheathed overall to **BS6746**, having the following colours:

Up to 36 Core*				
1 Red	9 Orange	17 Red/Black	25 Yellow/Green	33 Grey/Brown
2 Blue	10 Pink	18 Red/Brown	26 White/Green	34 Yellow/Violet
3 Green	11 Turquoise	19 Yellow/Blue	27 Green/Black	35 Violet/Black
4 Yellow	12 Grey	20 White/Blue	28 Orange/Green	36 White/Violet
5 White	13 Red/Blue	21 Blue/Black	29 Grey/Green	
6 Black	14 Green/Red	22 Orange/Blue	30 Yellow/Brown	
7 Brown	15 Yellow/Red	23 Green/Blue	31 White/Brown	
8 Violet	16 White/Red	24 Grey/Blue	32 Brown/Black	

*Up to 25 Core
23 Yellow/Green 24 White/Green 25 Orange/Green

208259

Warning: Due to the design of these cables, they are not to be regarded as power cables or cables for the direct connection of equipment to mains power supplies.

Sub Miniature - Screened

7/0.1mm (0.055mm²)

Voltage rating	250V (RMS)	Maximum current per core	250mA
Conductor area	0.055mm ² per core	Max. operating temperature	70°C
Sheath colour	Grey		

208260

No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel
4	2.9	25	119-0156	
		100	119-0157	
6	3.3	25	119-0158	
		100	119-0159	
9	4	25	119-0160	
		100	119-0161	
15	5	25	119-0162	
		100	119-0164	
25	6	25	119-0165	

Miniature: Screened

7/0.2mm (0.22mm²)

Voltage rating	440V (RMS)	Maximum current per core	1A
Conductor area	0.22mm ² per core	Max. operating temperature	70°C
Sheath colour	Grey		

208261

No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel
4	4.6	25	119-0168	
		100	119-0170	
8	6.3	25	119-0171	
		100	119-0172	
12	7.2	25	119-0173	
		100	119-0174	
20	8.6	25	119-0175	
		100	119-0176	
36	10.7	25	119-0177	
		100	119-0178	

Standard - Screened

16/0.2mm (0.5mm²)

Voltage rating	440V (RMS)	Maximum current per core	2.5A
Conductor area	0.5mm ² per core	Max. operating temperature	70°C
Sheath colour	Grey		

208262

No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel
4	7.3	25	119-0181	
		100	119-0182	
6	8.3	25	119-0183	
		100	119-0185	
12	11	25	119-0186	
		100	119-0187	

DEF STAN 61-12 Part 4 - Unscreened

7/0.1mm (0.055m²) 7-1-A Type

Voltage rating	250V (RMS)	Maximum current per core	250mA
Conductor area	0.055mm ² per core	Max. operating temperature	70°C
Sheath colour	Black		

208112

Cable Ref	No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel
7-1-2A	2	2.5	25	119-0190	
			100	119-0193	
7-1-3A	3	2.6	25	119-0191	
			100	119-0194	
7-1-4A	4	2.8	25	119-0195	
			100	119-0196	
7-1-6A	6	3.3	25	119-0197	
			100	119-0199	
7-1-9A	9	3.9	25	119-0198	
			100	119-0199	
7-1-12A	12	4.1	100	119-0201	
			100	119-0202	
7-1-15A	15	4.5	100	119-0202	

DEF STAN 61-12 Part 4 - Unscreened

7/0.2mm (0.22mm²) 7-2-A Type

Voltage rating	440V (RMS)	Maximum current per core	1A
Conductor area	0.22mm ² per core	Max. operating temperature	70°C
Sheath colour	Black		

208002

Cable Ref	No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel
7-2-2A	2	3.4	25	119-0204	
			100	119-0205	
7-2-3A	3	3.5	25	119-0206	
			100	119-0208	
7-2-4A	4	3.9	25	119-0211	
			100	119-0212	
7-2-6A	6	4.6	25	119-0213	
			100	119-0214	
7-2-8A	8	5.5	25	119-0215	
			100	119-0216	
7-2-12A	12	6.1	25	119-0217	
			100	119-0218	
7-2-18A	18	7.4	25	119-0219	
			100	119-0220	
7-2-20A	20	7.8	25	119-0221	
			100	119-0223	
7-2-25A	25	8.7	25	119-0224	
			100	119-0226	
7-2-36A	36	9.8	100	119-0228	

Over 500 000 products available online



DEF STAN 61-12 Part 4 - Screened

7/0.1mm (0.055mm²) 7-1-C Type

Voltage rating 250V (RMS) Maximum current per core 250mA
 Conductor area 0.055mm² per core Max. operating temperature 70°C
 Sheath colour Black

208111

Cable Ref	No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel
7-1-2C	2	3	25	119-0229	
			100	119-0230	
7-1-3C	3	3.2	25	119-0231	
			100	119-0232	
7-1-4C	4	3.4	25	119-0233	
			100	119-0235	
7-1-6C	6	3.8	25	119-0237	
			100	119-0238	
7-1-9C	9	4.4	25	119-0240	
			100	119-0241	
7-1-12C	12	4.6	25	119-0242	
			100	119-0243	
7-1-15C	15	5.4	25	119-0244	
			100	119-0245	
7-1-25C	25	6.6	25	119-0247	
			100	119-0248	

DEF STAN 61-12 Part 4 - Screened

7/0.2mm (0.22mm²) 7-2-C Type

Voltage rating 440V (RMS) Maximum current per core 1A
 Conductor area 0.22mm² per core Max. operating temperature 70°C
 Sheath colour Black

208003

Cable Ref	No. of Cores	Nom. Dia. (mm)	Reel Length (m)	Order Code	Price Per Reel
7-2-2C	2	4.1	25	119-0249	
			100	119-0250	
7-2-3C	3	4.3	25	119-0251	
			100	119-0252	
7-2-4C	4	4.6	25	119-0253	
			100	119-0255	
7-2-6C	6	5.9	25	119-0257	
			100	119-0259	
7-2-8C	8	6.3	25	119-0261	
			100	119-0262	
7-2-10C	10	6.9	25	119-0264	
			100	119-0265	
7-2-12C	12	7.2	25	119-0266	
			100	119-0267	
7-2-15C	15	8	25	119-0268	
			100	119-0269	
7-2-18C	18	8.5	25	119-0270	
			100	119-0272	
7-2-20C	20	8.9	25	119-0273	
			100	119-0274	
7-2-25C	25	9.8	25	119-0275	
			100	119-0276	
7-2-36C	36	11.2	25	119-0277	
			100	119-0278	

DEF STAN 61-12 Part 5 - Unscreened

16/0.2mm (0.5mm²) 16-2-A Type

Voltage rating 440V (RMS) Maximum current per core 2.5A
 Conductor area 0.5mm² per core Max. operating temperature 70°C
 Sheath colour Black

208005

Cable Ref	No. of Cores	Nom. Dia. (mm)	Reel Length (m)	Order Code	Price Per Reel
16-2-2A	2	5.5	25	119-0279	
			100	119-0280	
16-2-3A	3	5.8	25	119-0281	
			100	119-0282	
16-2-4A	4	6.3	25	119-0284	
			100	119-0286	
16-2-6A	6	7.3	25	119-0287	
			100	119-0288	
16-2-8A	8	8.5	25	119-0289	
			100	119-0290	
16-2-12A	12	9.5	25	119-0291	
			100	119-0292	
16-2-18A	18	11.1	25	119-0293	
			100	119-0294	
16-2-25A	25	13.1	25	119-0296	
			100	119-0297	

DEF STAN 61-12 Part 5 - Screened

16/0.2mm (0.5mm²) 16-2-C Type

Voltage rating 440V (RMS) Maximum current per core 2.5A
 Conductor area 0.5mm² per core Max. operating temperature 70°C
 Sheath colour Black

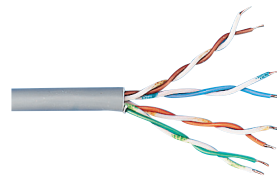
208004

Cable Ref	No. of Cores	Nom. Dia. (mm)	Reel Length (m)	Order Code	Price Per Reel
16-2-2C	2	6.9	25	119-0299	
			100	119-0300	
16-2-3C	3	7.2	25	119-0302	
			100	119-0303	
16-2-4C	4	7.7	25	119-0304	
			100	119-0305	
16-2-6C	6	8.7	25	119-0306	
			100	119-0307	
16-2-8C	8	9.2	25	119-0308	
			100	119-0309	
16-2-12C	12	11	25	119-0310	
			100	119-0311	
16-2-18C	18	12.5	25	119-0312	
			100	119-0314	
16-2-25C	25	14.6	25	119-0315	
			100	119-0316	

Heavy items, special delivery conditions apply

Category 5, 6 & 7 Cable

CAT5Plus UTP Millennium Series



- Four twisted pairs of solid 24 AWG plain copper conductors
- Grey flame retardant PVC sheath
- Low Smoke, Zero Halogen (LSOH) version meets IEC332-1, IEC1034 and IEC754-1
- Exceeds Category 5 electrical parameters defined in ISO11801, EN50173 and TIA/EIA568A

Cut Lengths Available

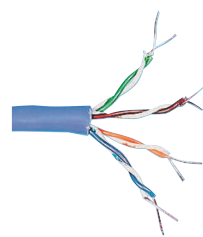
Nominal outside diameter 4.8mm
 Mutual capacitance 55.8nF/km
 Conductor resistance 93.8Ω/km
 Impedance 100±15Ω

Attenuation to CrossTalk Ratio65dB @ 1MHz
 per 100m54dB @ 10MHz
 39dB @ 20MHz
 34dB @ 31.25MHz
 25dB @ 62.5MHz
 16dB @ 100MHz

208244

305m Boxed Reel Mfrs. List No.	Order Code	Price Per Boxed Reel/Metre
LSOH UTP CSU-HF1	118-2875	
Continuous Length in 1m Multiples		
LSOH UTP CSU-HF1	149-1586	

Powercat Cat5e



- 4 pair 24AWG 350MHz UTP PVC cable
- Designed to support high speed data transmission systems such as gigabit ethernet and 622Mbps ATM
- Meets Powersum principle requirements
- Exceeds Category 5E requirements
- Colour coded for easy installation

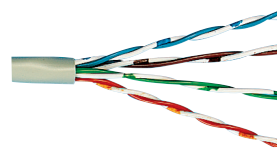
Nominal outside diameter 5.5mm
 Min Wall Thickness 0.6mm
 DC resistance 90Ω/km
 Impedance 100Ω

Attenuation per 100m
 1.9dB @ 1MHz
 7.2dB @ 16MHz
 19.6dB @ 100MHz
 38.8dB @ 100MHz

248708

305m Reel	Order Code	Price Per Reel
Standard UTP	431-8663	

1583E-Category 5E Unshielded Twisted Multipair



- Four twisted pairs of solid 24 AWG copper conductors
- Polyethylene insulated jacket, flame retardant to IEC/332-1 flame test 1
- To EIA/TIA 568 and ISO/IEC 11801 requirements, EC verified

15 WARRANTY YEARS

Cut Lengths Available

- Jacket sequentially marked at 1m intervals
- Applications suitable up to 100MHz
- Available with zero halogen

Nominal outside diameter 5mm
 Nominal Impedance 100Ω
 Conductor resistance 93.5Ω/km
 Nominal capacitance @ 1kHz 50pF/m

Max. attenuation per 100m
 9.2dB @ 20MHz,
 11.8 @ 31.25MHz,
 17.1dB @ 62.5MHz,
 22dB @ 100MHz

Category 5, 6 & 7 Cable - continued

1583E-Category 5E Unshielded Twisted Multipair - continued

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
1583E	304.8m	121-2949	
1583E(NH)	304.8m	121-8056	
Continuous Length in 1m Multiples			
1583E		124-2873	

CAT 5e - UTP

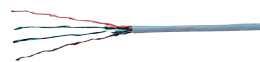


- Four twisted pairs of 24 AWG bare copper wire
- Grey PVC sheath
- Standards: ISO/IEC11801, ANSI/TIA/EIA-568A

Application: Work-station outlet to the FD/IDF and other horizontal cabling, integrated service digital network (ISDN), ATM155Mbps, 100Mbps, Fast Ether-net.

Order Code	Reel Size	Price Per Reel
164-3726	304.8m	

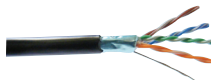
Cat 5e - UTP



- High quality 4 pair Cat5e
- 0.5mm solid copper conductors
- PVC insulated

305m Reels	Order Code	Price Per Reel
Grey	135-0508	

Datuff® CAT 5e Industrial Ethernet Cable

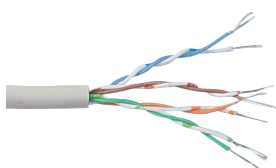


- PVC jacket

Mftrs. List No.	Conductor Make-up	Diameter (mm)
7918A	1 / 24AWG	5.84
7923A	1 / 24AWG	5.94
7930A	7 / 32AWG	6.1
7934A	1 / 24AWG	5.84
7919A	1 / 24AWG	6.73
7921A	1 / 24AWG	8.38
7929A	1 / 24AWG	6.73

Reel Size	Mftrs. List No.	Order Code	Price Per Reel
Unshielded			
304.8m	7918A	176-9523	
304.8m	7923A	176-9526	
304.8m	7930A	176-9528	
304.8m	7934A	176-9529	
Shielded			
304.8m	7919A	176-9524	
304.8m	7921A	176-9525	
304.8m	7929A	176-9527	

Category 5E-UTP Patch Cable



- High performance cable
- Four twisted pairs of 7/0.16mm (26AWG) plain stranded copper conductors
- Polyethylene insulated
- PVC sheathed overall
- Category 5 UTP interconnections, cabinets etc
- Suitable up to 100Mbps

Nominal outside diameter	Impedance	Capacitance
5.2mm	100Ω	50nF/km

Colour	Reel Length (m)	Order Code	Price Per Reel
Grey	100	160-2385	
White	100	160-2386	
Red	100	160-2387	
Blue	100	160-2388	
Yellow	100	160-2389	
Green	100	160-2390	
Black	100	160-2392	
Violet	100	160-2393	
Grey	304.8	160-2384	

Etherline® FD P CAT. 5 4x2x26AWG



ETHERLINE® FD P CAT. 5 4 x 2 x AWG 26/19 is a CATEGORY 5 high speed data transmission cable suitable for application in industrial environments. This data cable meets the requirements of Standards EIA/TIA-568 TSB-36 and ISO/IEC 11801 "Generic Cabling for Customer Premises" for CLASS D Links. The cable is intended for highly flexible application in power chains or permanently moving machines or linear robots in dry and damp interiors and in harsh industrial environments. The PUR sheath is very resistant against mineral oils and abrasion.

- Bare copper wire conductors 0.14mm² (19 x 0.10), (26AWG)
- Four twisted pairs
- Braiding of tinned copper wire, coverage approx 85%
- Operating temperature -40°C to 70°C max
- Polyurethane insulation
- Flame retardant to IEC 60 332-1

Conductor Size (CSA)	Loop resistance Max.Ω /km	Mutual capacitance (Nom. nF/km)	Impedance at 1 to 100 MHz
0.14mm ²	284	48	100Ω ±15Ω

GigaPlus S-FTP

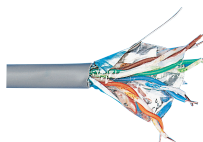


- Four twisted pairs of solid 24AWG plain copper conductors
- Foil and Braid screen
- Grey flame retardant PVC sheath
- Exceeds Category 5 electrical parameters defined in ISO11801, EN50173 and TIA/EIA568A
- Extended frequency range and attenuation, ideal for Fast Ethernet, Gigabit Ethernet 1000BASE-T and 155/622 applications.

Nominal outside diameter	Mutual capacitance	Conductor resistance	Impedance	Attenuation to CrossTalk Ratio per 100m	71dB @ 1MHz	53dB @ 10MHz	45dB @ 20MHz	40dB @ 31.25MHz	31dB @ 62.5MHz	23dB @ 100MHz	9dB @ 200MHz
6.1mm	55.8nF/km	93.8Ω/km	100±15Ω								

Mftrs. List No.	Order Code	Price Per Reel/Metre
2170489	128-5779	

CAT 5e - FTP

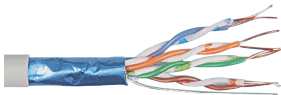


- Four twisted pairs of 24 AWG bare copper wire
- Grey PVC sheath
- Foil screen
- Standards: ISO/IEC11801, ANSI/TIA/EIA-568A

Application: Work-station outlet to the FD/IDF and other horizontal cabling, integrated service digital network (ISDN), ATM155Mbps, 100Mbps, Fast Ether-net.

Order Code	Reel Size	Price Per Reel
164-3730	304.8m	

Category 5E-FTP



- Four twisted pairs of plain solid copper conductors
 - Polyurethane insulated and shielded in aluminium polyester foil with integral 0.4mm tin copper drainwire
 - Sheathed overall in Grey PVC
- Designed for use in LAN applications at transmission speeds up to 100Mbps
- **EC Verified** and meets **EIA/TIA568 TSB36** and **ISO/IEC DIS11801** requirements
 - Supplied in 305m (1000ft.) dispenser box for easier handling/storage.
 - Available in PVC or LSOH (Low Smoke Halogen Zero Halogen)

Nominal outside diameter 4.75mm Mutual capacitance 50pF/m 467236

305m Boxed Reel		Price Per Reel/Metre
Order Code		
PVC	135-0505	
LSOH	135-0506	
Continuous Length in 1m Multiples		
PVC	149-1588	
LSOH	149-1589	

1633E Category 5E FTP



- Four individually bonded twisted pairs of solid 24 AWG copper conductors
- Polyethylene insulated jacket, flame retardant to **IEC/332-1 flame test 1**



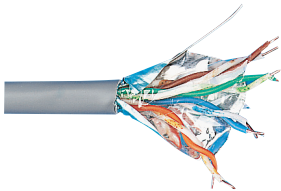
- To **EIA/TIA 568** and **ISO/IEC 11801** requirements **EC verified**
- Zero Halogen available (NH)
- Jacket sequentially marked at 1m intervals
- Applications suitable up to 100MHz

Nominal outside diameter	6.2mm	Type. attenuation (dB/100m)	9.2dB @ 20MHz
Nominal impedance	100Ω		11.8dB @ 31.2MHz
Conductor resistance	93.5Ω/km		17.1dB @ 62MHz
Nominal Capacitance @ 1kHz	50pF/m		22dB @ 100MHz

208230

Belden No.	Reel Size	Order Code	Price Per Reel/Metre
1633E	304.8m	118-2127	
1633E(NH)	304.8m	121-8047	
1633E	100m	121-8046	
Continuous Length in 1m Multiples			
1633E		121-8656	

Cat 5E - FTP



- Four twisted pairs of 24 AWG plain copper conductors
- Foil screened
- Grey PVC sheath
- Meets the Category 5 electrical parameters defined in **ISO11801** and **TIA/EIA568**

Nominal outside diameter	6mm	Dielectric strength @ 50Hz (kV/1min)	1
Conductor resistance @ 20°C	98.6Ω/km	Velocity of propagation	78%
Impedance	100Ω	Resistance per unit length	98.6Ω/km

232144

Reel	Order Code	Price Per Reel
304.8M	378-7977	

DataTwist® Cat 5E FTP Patch Cable (1868E)



- 4 Pair FTP(Foil shielded twisted pairs)
- Aluminium/Polyester foil shield
- 26 AWG stranded bare copper conductors
- Polyolefin insulation, PVC jacket
- ISO/IEC 11801, EN 50173 standards

500m Reels		Price Per Reel/Metre
Order Code	Outer Dia.	
121-8058	5mm	
Continuous Length in 1m Multiples		
149-1561	5mm	

381450

Category 5E-FTP Patch Cable



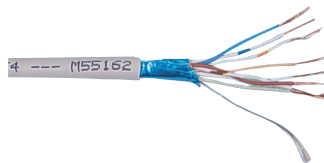
- High performance patch cable
- Four twisted pairs of 7/0.16mm (26AWG) plain stranded copper conductors
- Polyethylene insulated, shielded in aluminium polyester tape
- Sheathed overall in flexible PVC

- Designed for use in conjunction with Category 5 FTP cables for interconnection applications in wiring cabinets, terminal outlets etc
- Suitable for data transmission speeds up to 100Mbps
- Supplied on 100m reels

Nominal outside diameter 5.4mm Impedance 100Ω Capacitance 50pF/m 467239

100m Reel		Price Per Reel
Colour	Order Code	
Grey	135-0507	

Category 5E-FTP Patch Cable 4 Pair Foil Screened Twisted Pair



- High performance patch cable
- Four twisted pairs 7/34 AWG (26 AWG) plain copper conductors
- Aluminium polyester foil screen
- Integral drain wire
- Sheathed overall, Grey PVC

- Applications used in conjunction with Cat 5-FTP cable for interconnection in wiring cabinets, terminal outlets etc. up to 100MHz
- Meets **EIA/TIA568**, **TSB40** and **DEC** approved

Nominal outside diameter	5.3mm	Attenuation per 305m	13dB @ 4MHz
Conductor resistance	28.6Ω/305m		20dB @ 10MHz
Impedance	100Ω		25dB @ 16MHz
Mutual capacitance	46pF/305m		28dB @ 20MHz
			32dB @ 25MHz
			36dB @ 31.25MHz
			52dB @ 62.5MHz
			67dB @ 100MHz

Mfrs. List No. M55162 208063

100m Reel		Price Per Reel
Colour	Order Code	
Grey	473-261	

Unitronic® LAN STP/S 500MHz CAT 6E



LAN CAT.6 cable is designed for high speed networks and meets the requirements acc. to EIA/TIA-568 and TSB36 as well as ISO/IEC 11801 resp. EN 50173 (class d). Used mainly where the terminal density is very high, e.g. cabling of offices, administration and R & D buildings in the tertiary area (horizontal).

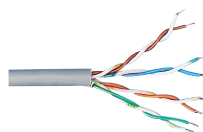
Please note: According to Standard ISO/IEC 11801 resp. EN 50173 the cable length in the Tertiary Area (Horizontal Area, Floor) should not exceed 100m (90m in the cable duct and 10m in the Working Area).

Nominal outside diameter	7.1mm	These STP/S cables are specified up to 500 MHz. Impedance of cables = 100 Ohm +/-15% EIA = Electronic Industries Association TIA = Telecommunication Industries Association TSB = Technical Systems Bulletin
Conductor resistance	154ohm/km	
Impedance	100 ±15Ω	
Mutual capacitance	47nF/km	
Attenuation per 100m	3.5 @ 4.0MHz	
	5.5 @ 10.0MHz	
	7.9 @ 20.0MHz	
	10.0 @ 31.25MHz	
	14.4 @ 62.5MHz	
	18.3 @ 100MHz	
	26.1 @ 200MHz	

491292

100m Reel		Price Per Reel/Metre
Mfrs. List No.	Order Code	
2170143	150-3949	

CAT 6 - FTP



- Four twisted pairs of 24 AWG bare copper wire
- Grey PVC sheath
- Standards: ISO/IEC11801, ANSI/TIA/EIA-568A

Application: Work-station outlet to the FD/IDF and other horizontal cabling, integrated service digital network(ISDN), ATM155Mbps, 100Mbps, Fast Ether-net.

Mfrs. List No.	Conductor	Outer Diameter
HTC1013-1	1 / 0.51mm	6mm
HTC1014-1	7 / 0.18mm	6mm

Category 5, 6 & 7 Cable - continued

CAT 6 - FTP - continued

Mfrs. List No.	Reel Size	Order Code	Price Per Reel
HTC1013-1	304.8m	164-3731 ●	
HTC1014-1	304.8m	164-3732 ●	

Datatauff® CAT 6 Industrial Ethernet Cable

11872A Paired



- Cat 6 Bonded-Pairs
- Solid Bare Copper
- Polyolefin Insulation / PVC Jacket

Mfrs. List No.	Conductor Make-up	Diameter (mm)	Operating Voltage (V rms)	Price Per Reel
11700A	1 / 23AWG	12 x 6.8	300	550700

Reel Size	Order Code	Price Per Reel
304.8m	176-9521 ●	

Unitronic® LAN STP/S-H PiMF 600MHz CAT.7



UNITRONIC® LAN STP/S-H PiMF 600 MHz CAT. 7 is a halogen free twisted pair (TP) CATEGORY 7 high speed data transmission cable. Each pair is individually screened (STP), conforming to requirement for CLASS F Links (Draft) and exceeds the requirements acc. to EN 50173 as well as ISO/IEC IS 11801 "Generic Cabling for Customer Premises" for CLASS D Links.

The cable is designed for transfer rates up to 622 Mbit/s and is specified up to 600 MHz.

- Solid bare copper conductors, 0.55mm, (23AWG)
- Braiding of tinned copper wire
- Operating temperature -20°C to 70°C max
- PVC halogen free insulation

Size (CSA)	Outer diameter	Loop resistance Max.Ω /km	Mutual capacitance (Nom. pF/M)	Impedance at f = ≥1MHz
0.24mm ²	7.9mm	160	42	110Ω

Mfrs. List No.	Order Code	Price Per Reel/Metre
2170614	128-5784 ●	

Continuous Length in 1m Multiples

2170614	149-1540 ●	
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Data Transmission Cable

Overall Screened Twisted Pair Data Cables



Unitronic® LiYCY (TP)



UNITRONIC® LiYCY (TP) is a screened, paired, flexible cable for control and data transmissions, designed for weak- current applications. The fine wired conductor and the robust ductile outer sheath gives the cable strength as well as high flexibility. By using twisted pairs signals are well decoupled and with a screen of tinned copper braiding, are protected against external electrical influences.

The cable is intended for static laying and flexible use in dry and damp interiors.

- Fine wire stranded copper conductors
- Braiding of tinned copper wire, coverage approx 85%
- Operating temperature -30°C to 80°C max
- PVC insulation
- Flame retardent to VDE 0482, part 265-2-1/IEC 60 332-1

Size (CSA)	Loop resistance Max.Ω /km	Mutual capacitance (Nom. pF/M)	Impedance at		
			50 kHz	100 kHz	≥1 MHz
0.25mm ²	79.9	97	110Ω	90Ω	74Ω
0.5mm ²	38.9	100	98Ω	85Ω	70Ω
0.75mm ²	26	112	89Ω	75Ω	65Ω
1mm ²	19.5	125	83Ω	70Ω	62Ω

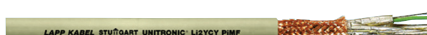
Mfrs. List No.	No of pairs	Order Code	Price Per Reel/Metre
0.25mm²			
0035800	2	128-5731 ●	
0035801	3	128-5732 ●	
0035802	4	128-5734 ●	
0035803	6	128-5735 ●	
0035804	8	128-5736 ●	
0035805	10	128-5738 ●	
0035806	12	128-5739 ●	
0035808	25	128-5740 ●	

Mfrs. List No.	No of pairs	Order Code	Price Per Reel/Metre
50m Reels			
0.5mm²			
0035810	2	128-5741 ●	
0035811	3	128-5742 ●	
0035812	4	128-5743 ●	
0035813	6	128-5744 ●	
0035814	8	128-5745 ●	
0035816	12	128-5746 ●	
0.75mm²			
0035820	2	128-5747 ●	
0035821	3	128-5748 ●	
0035822	4	128-5751 ●	
0035827	5	128-5752 ●	
0035823	6	128-5753 ●	
0035824	8	128-5754 ●	
1mm²			
0035830	2	128-5756 ●	
0035831	3	128-5757 ●	
0035832	4	128-5759 ●	
0035836	5	128-5760 ●	
Continuous Length in 1m Multiples			
0.25mm²			
0035800	2	149-1439 ●	
0035801	3	149-1440 ●	
0035802	4	149-1442 ●	
0035803	6	149-1443 ●	
0035804	8	149-1444 ●	
0035805	10	149-1445 ●	
0035806	12	149-1446 ●	
0035808	25	149-1447 ●	
0.5mm²			
0035810	2	149-1448 ●	
0035811	3	149-1449 ●	
0035812	4	149-1450 ●	
0035813	6	149-1451 ●	
0035814	8	149-1452 ●	
0035816	12	149-1454 ●	
0.75mm²			
0035820	2	149-1455 ●	
0035821	3	149-1456 ●	
0035822	4	149-1457 ●	
0035827	5	149-1461 ●	
0035823	6	149-1458 ●	
0035824	8	149-1459 ●	
1mm²			
0035830	2	149-1462 ●	
0035831	3	149-1463 ●	
0035832	4	149-1464 ●	
0035836	5	149-1466 ●	

Low Capacitance Twisted Pair Data Cables



Unitronic® Li2YCY PiMF



UNITRONIC® Li2YCY PiMF (Pair in Metal Foil) with individual screening of the pairs is particularly suitable for wiring data systems and controls for the transmission of sensitive signals and high bit rates, for enhanced requirements in respect of near-end cross-talk attenuation, and in conditions of high electrical interference on the line circuits.

Cables of this type are intended for limited flexible use and for static laying in dry and damp interiors.

- Fine wire stranded copper conductors
- Braiding of tinned copper wire
- Operating temperature -30°C to 80°C max
- PVC insulation
- Flame retardent to VDE 0482, part 265-2-1/IEC 60 332-1

Size (CSA)	Loop resistance Max.Ω /km	Mutual capacitance (Nom. pF/M)	Impedance at f > 1MHz	Line attenuation at	
				100 kHz nom.	1 MHz nom.
0.34mm ²	115	70	85Ω	0.8dB/100m	3.9dB/100m
0.5mm ²	78.4	75	80Ω	0.7dB/100m	2.4dB/100m

Mfrs. List No.	No of pairs	Order Code	Price Per Reel/Metre
50m Reels			
0.34mm²			
0034045	2	128-5761 ●	
0034046	3	128-5764 ●	
0034047	4	128-5765 ●	
0034048	8	128-5766 ●	
0034049	10	128-5767 ●	

208224

50m Reels			Price Per Reel/Metre
Mftrs. List No.	No of pairs	Order Code	
0.5mm²			
0034060	2	128-5768	
0034061	3	128-5769	
0034062	4	128-5770	
0034063	5	128-5771	
0034064	8	128-5772	
Continuous Length in 1m Multiples			
0.34mm²			
0034045	2	149-1422	
0034046	3	149-1423	
0034047	4	149-1424	
0034048	8	149-1425	
0034049	10	149-1426	
0.5mm²			
0034060	2	149-1427	
0034061	3	149-1429	
0034062	4	149-1431	
0034063	5	149-1432	
0034064	8	149-1433	

Round Shielded, Jacketed Cable
28 AWG Stranded, Twisted Pair, PVC/PVC



- PVC insulation and tinned stranded copper conductors
- Colour coded wires for easy identification
- Aluminium foil and tinned copper braid shielding
- Dual shielding provides excellent ESD/EMI protection

Wire gauge	28AWG stranded 7 / 36AWG tinned copper	Capacitance Colour	50.2pF/m Beige
Impedance	91Ω		
Mftrs. List No. (3600X / xx) where xx = No. of conductors			440242

Continuous Length in 1m Multiples					
Conductors	Order Code	Price Per m	Order Code	Reel	Price Per Reel
14	119-6920		119-6887	30.48m	
20	119-6921		119-6888	91.5m	
26	119-6922		119-6889	30.48m	
36	119-6924		119-6890	91.5m	
40	119-6925		119-6891	91.5m	
50	119-6926		119-6892	91.5m	
68	119-6927		119-6894	91.5m	

9903 - Thin Ethernet™ Multicore

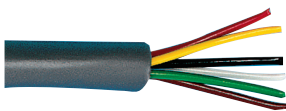


- Thin Ethernet™ transceiver cable to **IEEE 802.3**
- 3 twisted pairs of 28AWG (7/36AWG) tinned stranded copper conductors, plus twisted pair of 24AWG (7/32AWG) tinned copper
- Dual shielded in Duofoil® tinned overall copper braid
- Light grey PVC sheathed overall

- All pairs are individually Beldfoil® shielded
 - Integral drain wire
- | | | | |
|-----------------------------|--------|-------------------------|---------------------------------|
| Nominal outside diameter | 6.35mm | Capacitance | 64.6pF/m core to core |
| Nominal impedance (3 pairs) | 78Ω | | 114.2pF/m core to core + shield |
| | | Velocity of propagation | 66% |
- Colour coding (3 pairs) Grey & White, Yellow & Orange, Green & Blue
(1 pair supply only) Red & Black

Belden No.	Reel Size	Order Code
9903	152.4m	436-859

XTRA-GUARD® 1 Multi-Core Unshielded
24 AWG

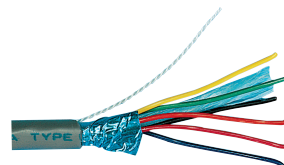


- Multi-core 24 AWG (7/32 AWG) tinned copper conductors
- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- **CSA certified flame test-4, UL recognised**, listed passing **UL94V-1**

- Applications include computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments
- **UL Style 2464**

30.5m Reels				Price Per Reel/Metre
No. of Cores	Nominal Outside Dia.	Mftrs. List No.	Order Code	
2	4	5012C-100	118-2557	
3	4.4	5013C-100	118-2558	
4	4.7	5014C-100	118-2561	
6	5.3	5016C-100	118-2562	
8	5.8	5018C-100	130-2251	
10	6.2	5020C-100	130-2252	
Continuous Length in 1m Multiples				
2	4	5012C	123-0937	
3	4.4	5013C	123-0938	
4	4.7	5014C	123-0939	
6	5.3	5016C	123-0940	
8	5.8	5018C	130-2302	
10	6.2	5020C	130-2303	

XTRA-GUARD® 1 Multi-Core Foil Shield
24 AWG



- Multi-core 24 AWG (7/32 AWG) tinned copper conductors
- Aluminium/polyester foil with stranded tinned copper drain wire
- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- **CSA certified flame test-4, UL recognised**, listed passing **UL94V-1**

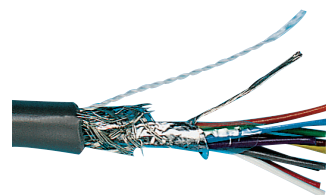
- Applications include, EIA RS232C interface, computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments
- **UL Style 2464**

Jacket thickness	0.81mm	Operating temperature	-20° to +80°C
Voltage rating	300V		

208220

30.5m Reels				Price Per Reel/Metre
No. of Cores	Nominal Outside Dia.	Mftrs. List No.	Order Code	
2	4.1	5092C-100	118-2564	
3	4.3	5093C-100	118-2565	
4	4.5	5094C-100	118-2566	
6	5.1	5096C-100	118-2567	
8	5.6	5098C-100	130-2253	
10	6.3	5100C-100	130-2254	
8	5.6	5098C	130-2304	
10	6.3	5100C	130-2305	

XTRA-GUARD® 1 Multi-Core SUPRASHIELD
24 AWG



- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- **CSA certified flame test-4, UL recognised**, listed passing **UL94V-1**
- Applications include, EIA RS232C interface, FCC Docket computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments

- **UL Style 2464**
- Multi-core 24 AWG (7/32AWG) tinned copper conductors
- Aluminium/polyester/aluminium foil with stranded tinned copper drain wire, in 70% overall braid of tinned copper wire
- **Suprashield** twice as effective as standard foil shielding

Jacket thickness	0.81mm	Operating temperature	-20° to +80°C
Voltage rating	300V		

208221

30.5m Reels				Price Per Reel/Metre
No. of Cores	Nominal Outside Dia.	Mftrs. List No.	Order Code	
3	4.8	5113C-100	118-2569	
4	5.4	5114C-100	118-2570	
6	5.9	5116C-100	118-2571	
8	6.17	5118C-100	130-2256	
10	6.91	5120C-100	130-2257	
8	6.17	5118C	130-2306	
10	6.91	5120C	130-2307	

Data Transmission Cable - continued

XTRA-GUARD™ 1 Multi-Pair Foil Shield

24 AWG



- Twisted Multipair core 24 AWG (7/32AWG) tinned copper conductors
- Aluminium/polyester foil, tinned stranded copper drain wire

- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- CSA certified flame test-4, UL recognised, listed passing UL94V-1
- Applications include EIA RS232C interface, computer peripherals, point of sale equipment
- Industrial process controls, medical electronics and other high technology environments
- UL Style 2464

Jacket thickness 0.81mm Operating temperature -20° to +80°C
Voltage rating 300V

208218

30.5m Reels		Price Per Reel	
No. of Pairs	Nominal Outside Dia.	Mftrs. List No.	Order Code
1	4.1	5491C-100	118-2576
2	5.2	5492C-100	118-2577
3	5.9	5493C-100	118-2578
4	6.5	5494C-100	118-2579

XTRA-GUARD® 2 Multi-Core Unshielded

22 AWG



- Multi-core 22 AWG (7/30 AWG) tinned copper conductors
- Special formulated polyurethane outer sheath
- Nylon rip cord for ease of jacket stripping
- CSA certified recognised, listed passing UL VW-1

- Applications include, CNC machine centers, Automotive assembly plant operations, Military ground support systems, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment
- UL AWM Style 20668

Jacket thickness 0.25mm Operating temperature -20° to +90°C
Voltage rating 300V

491852

30.5m Reels		Price Per Reel/Metre	
No. of Cores	Nominal Outside Dia.	Mftrs. List No.	Order Code
2	4.3	25002	151-5144
3	4.8	25003	151-5145
4	5.2	25004	151-5146
2	4.3	25002	151-5239
3	4.8	25003	151-5241
4	5.2	25004	151-5242

Multi-Core Overall Shielded 24AWG



- For sound, broadcast, audio, instrumentation and RS232 applications
- Beldfoil™ shielded
- CSA approved as SRPVC
- Passes VW-1 vertical wire flame test

- 24AWG tinned copper wire conductors, stranded 7/32AWG
- Available in zero halogen (NH)
- UL Style 2464

Type No.	Cores	Nominal Outside Diameter (mm)	Type No.	Cores	Nominal Outside Diameter (mm)
9533	3	4.11	9538	8	5.69
9534	4	4.67	9539	9	6.2
9535	5	4.8	9540	10	6.19
9536	6	5.31	9541	15	7.21
9537	7	5.31			

208181

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
9533	152.4m	118-2152	
	304.8m	118-2153	
9534	152.4m	118-2154	
9535	152.4m	118-2155	
	304.8m	118-2157	
9536	152.4m	118-2156	
9537	152.4m	118-2159	
9538	152.4m	118-2161	

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
9539	152.4m	118-2162	
9540	152.4m	118-2164	
9541	152.4m	118-2165	
Continuous Length in 1m Multiples			
9533		121-8691	
9534		121-8692	
9535		121-8693	
9536		121-8695	
9537		121-8696	
9538		385-5170	
9539		121-8697	
9540		121-8698	
9541		121-8699	

Extended Distance - Low Capacitance 100Ω



- 24 AWG (7/32AWG) Tinned stranded copper conductors
- Twisted pairs, Datlene® insulated, low capacitance

- Z-Fold overall Beldfoil® aluminium/ polyester shield, 100% coverage
- Overall tinned copper braid shield, 65% coverage
- Integral tinned copper drain wire
- PVC jacket
- Application EIA RS-232 and EIA RS-422
- UL Style 2919

Nominal DC Resistance/km 78.7Ω Nominal capacitance core/core 41pF/m
Velocity of propagation 78% Nominal capacitance core/screen 72.2pF
Characteristic impedance 100ohm

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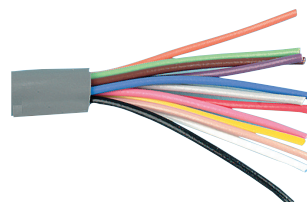
152.5m Reel		Price Per Reel/Metre	
Belden No.	No. of Pairs	Nominal Outside Dia. (mm)	Order Code
8102	2	6.9	961-784
8103	3	7.2	118-2099
8104	4	7.8	961-802
8105	5	8	118-2100
Continuous Length in 1m Multiples			
8102	2	6.9	385-5030
8103	3	7.2	121-8688
8105	5	8	121-8689



Communication and Control Cable



Unshielded



- UL2576 recognised, CSA PCC FT4
- 22AWG (7/0.25mm) tinned copper conductors
- Grey PVC jacket with colour coded PVC insulation
- Voltage rating 300V
- Operating temperature -20°C to +75°C

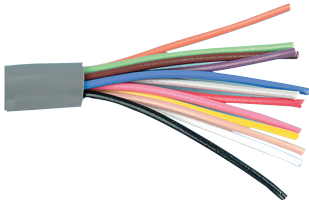
Mftrs. List No.	No. of Conductors	Outside Diameter (mm)	Jacket Thickness (mm)	Order Code
1172C	2	4.1	0.81	123-5589
1173C	3	4.3	0.81	123-5591
1174C	4	4.8	0.81	123-5592
1175C	5	5.1	0.81	123-5593
1176C	6	5.3	0.81	123-5594
1177C	7	5.3	0.81	123-5595
1178C	8	5.6	0.81	123-5596
1179C	9	6.3	0.81	161-0268
1180C	10	6.6	0.81	123-5597
1181C	12	7.1	0.81	123-5598
1181/15C	15	7.6	0.81	123-5599
1181/20C	20	8.1	0.81	123-5600
1181/25C	25	9.1	0.81	123-5601
1181/30C	30	9.6	0.81	123-5602
1181/40C	40	11.2	0.81	123-5603
1181/50C	50	12.7	0.89	123-5604
1181/60C	60	13.5	0.89	123-5605

232729

30.5m Reel		Price Per Reel
Mftrs. List No.	Order Code	
1172C	123-5589	
1173C	123-5591	
1174C	123-5592	
1175C	123-5593	
1176C	123-5594	
1177C	123-5595	
1178C	123-5596	
1179C	161-0268	

30.5m Reel		Price Per Reel
Mftrs. List No.	Order Code	
1180C	123-5597	
1181C	123-5598	
1181/15C	123-5599	
1181/20C	123-5600	
1181/25C	123-5601	
1181/30C	123-5602	
1181/40C	123-5603	
1181/50C	123-5604	
1181/60C	123-5605	

LSZH Communication and Control Cable
Unshielded



- UL2576 type CM recognised
- 22AWG (7/30) tinned copper conductors
- Low Smoke Zero Halogen Jacket
- Voltage rating: 300V
- Operating temperature: -20°C to +75°C

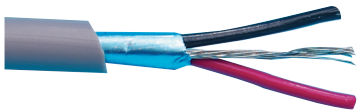


Mftrs. List No.	No. of Conductors	Outside Diameter (mm)	Jacket Thickness (mm)	Order Code
1172L	2	4.09	0.71	171-2540
1173L	3	4.29	0.71	171-2541
1174L	4	4.8	0.71	171-2542
1175L	5	5.11	0.71	171-2543
1176L	6	5.31	0.76	171-2544
1177L	7	5.31	0.76	171-2545
1178L	8	5.59	0.76	171-2546
1179L	9	6.3	0.81	171-2547
1180L	10	6.6	0.89	171-2549

536208

30.5m Reel		Price Per Reel
Mftrs. List No.	Order Code	
1172L	171-2540	
1173L	171-2541	
1174L	171-2542	
1175L	171-2543	
1176L	171-2544	
1177L	171-2545	
1178L	171-2546	
1179L	171-2547	
1180L	171-2549	

Communication and Control Cable
Overall Foil Screen



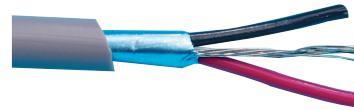
- UL2464 type CM recognised
- 24AWG (7/0.2mm) tinned copper conductors
- Voltage rating 300V
- Operating Temperature -20°C to +75°C
- Stranded tinned copper drain wire

Mftrs. List No.	No. of Pairs	Outside Diameter (mm)	Jacket Thickness (mm)	Drain Wire (AWG)	Order Code
5471C	1	4.1	0.81	24	123-5608
5472C	2	5.3	0.81	24	123-5609
5473C	3	5.8	0.81	24	123-5610
5474C	4	6.1	0.81	24	123-5611
5476C	6	7.6	0.89	24	123-5612
5477C	7	7.6	0.89	24	123-5613
5479C	9	8.6	0.94	24	118-2466
5480C	10	9.6	1.02	24	118-2467
5480/19C	19	11.4	1.02	24	118-2469
5480/25C	25	13.4	1.14	24	119-9000

232731

30.5 Reel		Price Per Reel
Mftrs. List No.	Order Code	
5471C	123-5608	
5472C	123-5609	
5473C	123-5610	
5474C	123-5611	
5476C	123-5612	
5477C	123-5613	
5479C	118-2466	
5480C	118-2467	
5480/19C	118-2469	
5480/25C	119-9000	

LSZH Communication and Control Cable
Overall Foil Screen



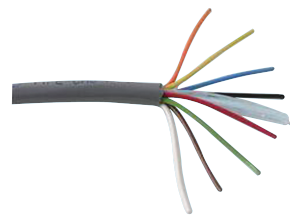
- UL2464 type CM recognised
- 24AWG (7/0.2mm) tinned copper conductors
- Low Smoke Zero Halogen Jacket
- Voltage rating: 300V
- Operating Temperature: -20°C to +75°C
- Tinned copper drain wire
- Aluminium / Mylar tape screen with foil facing inwards

Mftrs. List No.	No. of Pairs	Outside Diameter (mm)	Drain Wire (AWG)	Order Code
5471L	1	4.09	24	171-2527
5472L	2	5.31	24	171-2528
5473L	3	5.66	24	171-2529
5474L	4	6.1	24	171-2530
5475L	5	6.91	24	171-2531
5476L	6	7.59	24	171-2532
5477L	7	7.59	24	171-2533
5478L	8	8.1	24	171-2534
5479L	9	8.61	24	171-2535
5480L	10	9.6	24	171-2537

536206

30.5m Reel		Price Per Reel
Mftrs. List No.	Order Code	
5471L	171-2527	
5472L	171-2528	
5473L	171-2529	
5474L	171-2530	
5475L	171-2531	
5476L	171-2532	
5477L	171-2533	
5478L	171-2534	
5479L	171-2535	
5480L	171-2537	

Communication and Control Cable
Unshielded



- UL2509 recognised, CSA CMG FT4
- Grey PVC jacket with colour coded PVC insulation
- Voltage rating 300V
- Operating temperature -20°C to +75°C
- Supplied in 30.5m reels

Cables intended for general purpose communications use within buildings in accordance with NEC Section 800-53 (c).

Mftrs. List No.	No. of Cores	Outside Dia. (mm)	CSA (mm ²)	AWG
1895C	2	4.6	0.51	20
1896C	3	4.8	0.51	20
1896/4C	4	5.3	0.51	20
1896/5C	5	5.9	0.51	20
1896/6C	6	6.5	0.51	20
1896/7C	7	6.5	0.51	20
1896/8C	8	6.9	0.51	20
1897C	2	5	0.81	18
1898C	3	5.3	0.81	18
1898/4C	4	6.1	0.81	18
1898/5C	5	6.6	0.81	18
1898/6C	6	7.4	0.81	18
1898/7C	7	7.4	0.81	18
1899C	2	5.7	1.31	16
1899/3C	3	6.3	1.31	16
1899/4C	4	6.9	1.31	16

515766

Price Per Reel	
Mftrs. List No.	Order Code
1895C	161-9538
1896C	161-9539
1896/4C	161-9540
1896/5C	161-9541
1896/6C	161-9542
1896/7C	161-9543
1896/8C	161-9544
1897C	161-9545
1898C	161-9546
1898/4C	161-9547
1898/5C	161-9549
1898/6C	161-9551
1898/7C	161-9552
1899C	161-9553
1899/3C	161-9554
1899/4C	161-9555

Over 500 000 products available online

Data Transmission Cable - continued

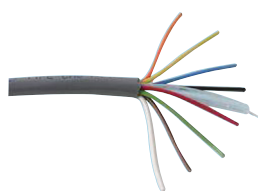
LSZH Communication and Control Cable

Unshielded



Cables you trust. Service you deserve.

New



- UL2509 type CM recognised
- Low Smoke Zero Halogen Jacket
- Voltage rating: 300V
- Operating temperature: -20°C to +75°C

Mftrs. List No.	No. of Cores	Outside Dia. (mm)	AWG
1895L	2	4.6	20
1896L	3	4.8	20
1896-4L	4	5.31	20
1896-5L	5	5.9	20
1896-6L	6	7.01	20

536214

30.5m Reel

Price Per Reel

Mftrs. List No.	Order Code
1895L	171-2551
1896L	171-2552
1896-4L	171-2553
1896-5L	171-2554
1896-6L	171-2555

Communication and Control Cable

Shielded



Cables you trust. Service you deserve.



- Stranded tinned copper conductor
- Grey PVC jacket with colour coded PE insulation
- Voltage rating 300V

- Operating temperature -20°C to +75°C
- Supplied in 30.5m reels

Cables intended for general purpose communication use within buildings in accordance with the NEC Sections 800-53 (c) 725-53(e).

Mftrs. List No.	No. of Cores	Outside Dia. (mm)	CSA (mm ²)	AWG
2400C	2	4	0.229	24
2401C	2	4.3	0.357	22
2403C	3	4.7	0.357	22
2404C	4	5.1	0.357	22
2411C	2	4.7	0.562	20
2413C	3	5.2	0.562	20
2414C	4	5.7	0.562	20
2422C	2	5.3	0.816	18
2423C	3	5.8	0.816	18
2424C	4	6.4	0.816	18
2432C	2	6.2	1.31	16
2433C	3	6.6	1.31	16

515774

Price Per Reel

Mftrs. List No.	Order Code
2400C	161-9556
2401C	161-9557
2403C	161-9558
2404C	161-9559
2411C	161-9560
2413C	161-9562
2414C	161-9563
2422C	161-9564
2423C	161-9565
2424C	161-9566
2432C	161-9567
2433C	161-9568

Communication and Control Cable

Shielded



Cables you trust. Service you deserve.



- Stranded tinned copper conductor
- Grey PVC jacket with colour coded PVC insulation
- Voltage rating 300V
- Operating temperature -20°C to +75°C

- Supplied in 30.5m reels

General purpose communications use with buildings in accordance with the NEC Section 800-53 (c).

515777

Price Per Reel

Mftrs. List No.	No. of Cores	Outside Dia. (mm)	Order Code
24AWG (0.23mm²)			
1212C	2	3.9	161-9569
1213C	3	4.2	161-9570
1214C	4	4.7	161-9571
1215C	5	4.7	161-9572

Price Per Reel

Mftrs. List No.	No. of Cores	Outside Dia. (mm)	Order Code
24AWG (0.23mm²)			
1216C	6	5.1	161-9574
1217C	7	5.1	161-9575
1218C	8	5.4	161-9576
22AWG (0.35mm²)			
1292C	2	4.2	161-9577
1293C	3	4.6	161-9578
1294C	4	4.9	161-9579
1295C	5	5.1	161-9580
1296C	6	5.4	161-9581
1297C	7	5.4	161-9582
1298C	8	5.7	161-9583
1299C	9	6.3	161-9584

Communication and Control Cable

Shielded



Cables you trust. Service you deserve.



- Stranded tinned copper conductor
- Grey PVC jacket with colour coded PVC insulation

- Voltage rating 600V
- Operating temperature -20°C to +105°C

Small diameter communication and control cable with excellent transient immunity.

515781

30.5m Reel

Price Per Reel/Metre

Mftrs. List No.	No. of Cores	Outside Dia. (mm)	Order Code
3302	2	3.1	161-9586
3303	3	3.3	161-9587
3304	4	3.5	161-9588
3306	6	4.3	161-9589
3308	8	4.4	161-9590
3310	10	5.3	161-9591
3312	12	5.4	161-9592
3315	15	5.8	161-9593

Continuous Length in 1m Multiples

3302	2	3.1	161-9698
3303	3	3.3	161-9699
3304	4	3.5	161-9700
3306	6	4.3	161-9701
3308	8	4.4	161-9702
3310	10	5.3	161-9703
3312	12	5.4	161-9704
3315	15	5.8	161-9705

Communication and Control Cable

Individually Screened



Cables you trust. Service you deserve.



- 22AWG individually shielded communication and control cable
- Suitable for RS232 applications
- Grey PVC sheath
- UL2493 recognised
- Aluminium/polyester tape screen, foil facing inwards
- Voltage rating 300V
- Operating temperature -20°C to +60°C
- 22AWG tinned copper drain wire

Mftrs. List No.	No. of Pairs	Outside Diameter	Jacket Thickness	Attenuation @ 20°C	Order Code
6010C	3	8mm	1.14mm	4.2dB	123-5617
6012C	6	9.9mm	1.14mm	4.2dB	123-5619
6014C	9	11.6mm	1.14mm	4.2dB	123-5621

232732

30.5m Reel

Price Per Reel

Mftrs. List No.	Order Code
6010C	123-5617
6012C	123-5619
6014C	123-5621

2 Pair Individually Shielded Data Cable



Cables you trust. Service you deserve.



Applications:

- Audio, Pulse or RF Signal Transmission
- Computer or Electronic Peripheral Interconnectors where high levels of noise interference are anticipated
- Banking Systems

Specification:

- Stranded Bare Copper conductors
- Multipair Conductors insulated in Red & Black, Green & White High Density Polypropylene
- Stranded Tin Copper common Drain Wire
- Grey PVC Jacket
- Voltage Rating: 300V
- Operating Temperature: -20°C to 80°C

450377

Reel Length	Wire Size	Diameter (mm)	Alpha Wire Part No.	Order Code
30.48m	22AWG	4.1	2466C	130-2756
304.8m	22AWG	4.1	2466C	130-2758

Single Twisted pair (Screened) 22 AWG



- Single twisted pair of (7/30 AWG) tinned

Cut Lengths Available

copper conductors screened overall in aluminised polyester tape with integral drain wire

- Sheathed overall in Grey PVC

22 AWG No. of Pairs	Overall Dia.	Impedance	Capacitance/metre Core/core	Core/scrm.	UL
1	4.6mm	85Ω	79pF	164pF	UL Style 2092

224047

Reel Length	Order Code
Continuous Length in 1m Multiples	149-9576
100m	120-2745
500m	120-2746

Unshielded Twisted Pair



- Black and Red PVC insulated unshielded twisted pair of 20AWG (7/28AWG) tinned stranded

Cut Lengths Available

- copper conductors
- Sheathed overall in Chrome PVC or zero halogen (NH)
- Designed for Audio and Control system applications.

Nominal outside diameter 5.1mm

Belden Number	CSA	Nominal Outside Dia
8205	0.5mm ²	5.1mm

208078

Price Per Reel/Metre

Belden No.	Length	Order Code
8205	152.4m	118-2083
8205	304.8m	118-2084

Continuous Length in 1m Multiples	Order Code
8205	121-8668

9829 - Twin Twisted Pair Overall Shielded



- Twin twisted pairs of polyethylene insulated 24AWG (7 x 32AWG) tinned stranded copper conductors

Cut Lengths Available

- Beldfoil® aluminium/polyester foil with integral tinned copper drain wire
- Sheathed overall in Chrome PVC or zero halogen (NH)
- Designed for RS422 applications.

Nominal outside diameter	7.39mm	Capacitance	59.1pF/m core to core
Nominal Impedance	100Ω		90.2pF/m core to core + shield
	Velocity of propagation		66%

208065

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
9829	30.48m	118-2125	
	152.4m	118-2078	

Continuous Length in 1m Multiples	Order Code
9829	121-8666

8723 - Twin Twisted Pair Individually Shielded



- Individually shielded twin twisted pairs, Red/Black and Green/White polypropylene
- 22AWG (7/30AWG) tinned stranded copper wire

Cut Lengths Available

- Shielded in Beldfoil® aluminium/polyester foil with integral drain wire
- Pairs cabled on common axis to reduce diameter
- Sheathed overall in Grey PVC

Nominal outside diameter	4.06mm	203pF/m core to core + shield
Nominal Impedance	45Ω	
Capacitance	115pF/m core to core	Velocity of propagation 66%

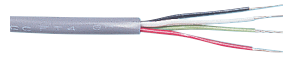
Note: Reel length with U-prefix indicates supplied in UnReel® dispenser box.

(NH) indicates zero halogen sheath

208064

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
8723	U-30.48m	118-2117	
	U-152.4m	118-2081	
	U-304.8m	118-2082	
Continuous Length in 1m Multiples			
8723		121-8667	

8442 and 8444 Unshielded Multicore



- Two and four core conductors
- PVC insulated 22AWG (7/30AWG) tinned stranded copper conductors
- Sheathed overall in Grey PVC
- Applications Audio, Control and RS232C

Type No.	No. of Cores	Nominal Outside Diameter	UL Recognised
8442	2	4.32mm	—
8444	4	4.7mm	2576

Note: Reel length with U-prefix indicates supplied in UnReel™ dispenser box.

208077

Belden No.	Boxed Reel Length	Order Code	Price Per Reel
8442	U-152.4m	118-2085	
8444	U-152.4m	118-2086	

Overall Shielded Twisted Multipair 24AWG



- Semi-rigid PVC insulated twisted pairs of 24AWG (7/32AWG) tinned stranded copper conductors

Cut Lengths Available

- Shielded overall in Beldfoil® aluminium/polyester foil with integral tinned copper drain wire
- Sheathed overall in Chrome PVC

Type No.	No. of Pairs	Overall Dia.	Nom. resistance/km Conductor	Shield	Nom. capacitance/metre core/core	core/screen	UL Recognised
9501	1	3.96mm	78.7Ω	59.1Ω	131pF/m	243pF/m	UL 2464
9502	2	5.64mm	78.7Ω	55.8Ω	98pF/m	164pF/m	UL 2464
9503	3	5.89mm	78.7Ω	55.8Ω	98pF/m	164pF/m	UL 2464
9504	4	6.73mm	78.7Ω	55.8Ω	98pF/m	164pF/m	UL 2464
9505	5	7.34mm	78.7Ω	55.8Ω	98pF/m	164pF/m	UL 2464
9506	6	7.34mm	78.7Ω	52.5Ω	98pF/m	164pF/m	UL 2464
9507	7	7.47mm	78.7Ω	54.1Ω	98pF/m	164pF/m	UL 2464
9508	8	8.23mm	78.7Ω	54.1Ω	98pF/m	164pF/m	UL 2464
9509	9	8.48mm	78.7Ω	54.1Ω	98pF/m	164pF/m	UL 2464
9515	15	10.5mm	78.7Ω	54.1Ω	98pF/m	164pF/m	UL 2464

Note: Reel length with U-prefix indicates supplied in Un-Reel® dispenser box.

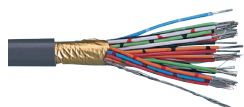
208080

Belden No.	Boxed Reel Length (m)	Order Code	Price Per Reel/Metre
9501	U-30.48	118-2119	
	U-152.4	118-2088	
	U-304.8	118-2089	
9502	U-30.48	118-2120	
	U-152.4	118-2090	
	U-304.8	118-2091	
9503	U-30.48	118-2121	
	U-152.4	118-2093	
	U-304.8	118-2094	
9504	U-30.48	118-2123	
	U-152.4	118-2095	
	U-304.8	118-2096	
9505	U-30.48	118-2124	
	U-152.4	118-2097	
9506	U-152.4	118-2137	
9507	U-152.4	118-2138	
9508	U-152.4	118-2139	
9509	U-152.4	118-2136	
9515	U-152.4	118-2140	
Continuous Length in 1m Multiples			
9501		121-8672	
9502		121-8673	
9503		121-8674	
9504		121-8675	
9505		121-8676	
9506		121-8677	
9507		121-8678	
9508		121-8679	
9509		121-8680	
9515		121-8681	

Data Transmission Cable - continued

Overall Screened Multicore

24 AWG - PVC Insulated



- Tinned copper conductors 24 AWG (7/32 AWG)
- PVC insulated overall
- Screened in aluminium-polyester foil providing 100% external screening
- Termination of the foil screen is by means of a

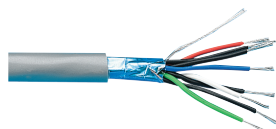


stranded 24AWG tinned copper drain wire
 ● Applications include sound, broadcast, audio and instrumentation.
 ● **UL recognised as style 2464. CSA type SR PVC.**
 Capacitance between conductors Up to 8 core 108pF/m Max. operating temperature +80°C
 10 core plus 98pF/m Sheathed in Grey PVC
 Voltage rating 300V

No. of Cores	Nom. Dia.	Reel Length	Order Code	Price Per Reel/Metre
3	4.3	100m	125-1758	
4	4.8	100m	125-1759	
5	5	25m	125-1760	
5	5	100m	125-1761	
6	5.5	100m	125-1762	
8	5.8	25m	125-1763	
8	5.8	100m	125-1765	
10	6.4	25m	125-1766	
10	6.4	100m	125-1767	
15	7.4	25m	125-1768	
15	7.4	100m	125-1769	

Continuous Length in 1m Multiples				
3	4.3		138-7710	
4	4.8		138-7712	
5	5		138-7715	
6	5.5		138-7719	
8	5.8		138-7722	
10	6.4		138-7725	
15	7.4		138-7726	

Overall Screened Twisted Multipair



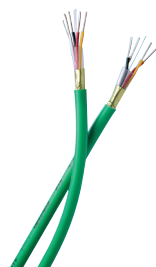
- Twisted pair 7/0.203mm tinned copper conductors screened overall in aluminiumised polyester tape with integral drain wire
- Sheathed overall in Grey PVC



No. of Pairs	Overall Dia.	Impedance	Capacitance/metre Core/core	No. of Pairs	Overall Dia.	Impedance	Capacitance/metre Core/core
2	5.71mm	77Ω	98pF	5	7.24mm	77Ω	98pF
3	5.97mm	77Ω	98pF	6	7.49mm	77Ω	98pF
4	6.73mm	77Ω	98pF	15	10.16mm	85Ω	98pF

No. of Pairs	Order Code	Price Per Reel/Metre
100m Reel		
2	121-9358	
3	121-9359	
4	120-2740	
5	120-2742	
6	120-2743	
15	120-2744	

Twisted Multicore Shielded Cable



- PVC insulated twisted pairs of 20AWG solid copper conductors
- Shielded overall in Beldfoil® aluminium/polyester foil
- Sheathed overall in Green LSZH

Type No.	No. of Pairs	Overall Dia.
YE00905	1	6.3mm
YE00906	2	6.3mm

Type	Reel Size	Order Code	Price Per Reel
YE00905	100m	176-9517	
YE00906	100m	176-9518	

RS422 and CAD/CAM



- 24 AWG (7/32AWG) twisted pairs tinned stranded copper conductors, Datalene® insulated
- Shielded per pair using Beldfoil® aluminium/polyester foil with Z-Fold® giving 100% coverage
- 24 AWG integral drain wire
- Grey PVC jacket
- Passes **VW-1 flame test**
- **UL Style 2493**
- Overall aluminium/polyester foil plus 65% tinned copper braid shield
- Applications RS-422, CAD and CAM

OC Resistance	78.7Ω	Nominal impedance	100Ω
Velocity of propagation	78%	Nominal capacitance	41pF/m

152.5m Reel				
Belden No.	No. of Pairs	Nominal Outside Dia. (mm)	Order Code	Price Per Reel/Metre
8162	2	8.71	118-2169	
8163	3	9.12	118-2170	
8164	4	9.86	961-887	

30.5m Reel				
8163	3	9.12	161-0298	

Continuous Length in 1m Multiples				
8162	2	8.71	121-8653	
8163	3	9.12	121-8654	
8164	4	9.86	385-4607	

9841 and 9842 EIA RS-485 Applications



- 24 AWG (7/32AWG) tinned stranded copper, polyethylene insulated twisted pairs
- Z-Fold Beldfoil® aluminium/polyester foil shield
- 24 AWG integral stranded tinned copper drain wire

- Overall tinned copper braid shield, 90% coverage
- Applications EIA RS-485 communications
- **UL Recognise 2919**



Nominal capacitance	42pF/m	Nominal impedance	120Ω
Velocity of propagation	66%		

Belden No.	No. of Pairs	Nominal Outside Dia. (mm)	Order Code	Price Per Reel/Metre
152.5m Reel length				
9841	1	5.89	961-723	
9842	2	8.64	961-735	

Continuous Length in 1m Multiples				
9841	1	5.89	385-4565	
9842	2	8.64	385-4577	

Low Capacitance RS485



- Integral tinned copper drain wire
- Application EIA RS-232 and EIA RS-485
- Grey PVC jacket
- **UL Style 2919**
- 28 AWG (7/36AWG) tinned stranded copper conductors Datalene® insulated
- Z-Fold Beldfoil® aluminium/polyester foil, giving 100% coverage
- Overall tinned copper braid, 65% coverage

Nominal core resistance/km	213Ω	Nominal impedance	120Ω
Velocity of propagation	78%	Nominal capacitance	65.6pF/m

152.5m Reel				
Belden No.	No. of Pairs	Nominal Outside Dia. (mm)	Order Code	Price Per Reel/Metre
8132	2	5.97	118-2166	
8133	3	6.86	118-2167	

Industrial & Automation Cable

CY Cable



- Flexible power control cable used in data applications and automated equipment where screening is required and the equipment could be subject to vibration
- Inner cores are overall sheathed in grey PVC, tinned annealed copper braid and grey PVC
- Inner cores are plain annealed copper sheathed in number coded black PVC

Conductor Area (mm ²)	Maximum Outside Diameter (mm)			
	3 Core	4 Core	5 Core	7 Core
0.75	9.2	10.2	10.3	—
1	9.8	10.7	11.2	—
1.5	10.6	11.4	12.1	13
2.5	13.2	13.2	14.7	—

Core Colour Codes
 3 Core: 2 numbered Black, Green/Yellow
 4 Core: 3 numbered Black, Green/Yellow
 5 Core: 4 numbered Black, Green/Yellow
 7 Core: 6 numbered Black, Green/Yellow

489005

Conductor Area	Reel Length (m)	Order Code	Price Per Reel
3 Core			
0.75mm ²	50	149-4596	
0.75mm ²	100	149-4597	
1mm ²	50	149-4598	
1mm ²	100	149-4599	
1.5mm ²	50	149-4601	
1.5mm ²	100	149-4602	
2.5mm ²	50	149-4603	
2.5mm ²	100	149-4604	
4 Core			
0.75mm ²	50	130-7723	
0.75mm ²	100	130-7724	
1mm ²	50	130-7725	
1mm ²	100	130-7726	
1.5mm ²	50	130-7727	
1.5mm ²	100	130-7728	
2.5mm ²	50	130-7729	
5 Core			
0.75mm ²	50	149-4619	
1mm ²	50	130-7734	
1mm ²	100	130-7735	
1.5mm ²	50	130-7736	
1.5mm ²	100	130-7737	
2.5mm ²	50	130-7738	
7 Core			
1.5mm ²	50	130-7739	
1.5mm ²	100	130-7740	

SY Cable



- Flexible power control cable ideal for use with mains/power and machine tools where equipment may be subject to vibration
- Inner cores are overall sheathed in grey PVC, galvanised steel braid and a transparent layer of PVC
- Inner cores are plain copper sheathed in number coded black PVC

Conductor Area (mm ²)	Maximum Outside Diameter (mm)					
	3 Core	4 Core	5 Core	7 Core	12 Core	18 Core
0.75	7.9	8.5	9.2	9.9	12.9	14.9
1	8.3	8.9	9.6	10.4	—	—
1.5	9	9.7	10.6	11.5	15.4	—
2.5	10.6	11.5	12.6	13.9	—	—

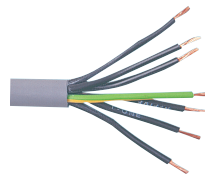
Core Colour Codes
 3 Core: 2 numbered Black, Green/Yellow
 4 Core: 3 numbered Black, Green/Yellow
 5 Core: 4 numbered Black, Green/Yellow
 7 Core: 6 numbered Black, Green/Yellow
 12 Core: 11 numbered Black, Green/Yellow
 18 Core: 17 numbered Black, Green/Yellow

551892

Conductor Area	Reel Length (m)	Order Code	Price Each
2 Core			
0.75mm ²	50	149-4605	
1mm ²	50	149-4607	
1.5mm ²	50	149-4608	
2.5mm ²	50	149-4609	
3 Core			
0.75mm ²	50	177-5955	
0.75mm ²	100	177-5977	
1mm ²	50	177-5963	
1mm ²	100	177-5982	
1.5mm ²	50	177-5967	

Conductor Area	Reel Length (m)	Order Code	Price Each
3 Core			
1.5mm ²	100	177-5986	
2.5mm ²	50	177-5973	
2.5mm ²	100	177-5989	
4 Core			
0.75mm ²	50	177-5956	
0.75mm ²	100	177-5978	
1mm ²	50	177-5964	
1mm ²	100	177-5983	
1.5mm ²	50	177-5968	
1.5mm ²	100	177-5987	
2.5mm ²	50	177-5974	
2.5mm ²	100	177-5990	
5 Core			
0.75mm ²	50	177-5957	
0.75mm ²	100	177-5979	
1mm ²	50	177-5965	
1mm ²	100	177-5985	
1.5mm ²	50	177-5969	
1.5mm ²	100	177-5988	
2.5mm ²	50	177-5975	
2.5mm ²	100	177-5991	
7 Core			
0.75mm ²	50	177-5958	
0.75mm ²	100	177-5980	
1mm ²	50	177-5966	
1.5mm ²	50	177-5970	
2.5mm ²	50	177-5976	
12 Core			
0.75mm ²	50	177-5961	
1.5mm ²	50	177-5971	
0.75mm ²	100	177-5981	
18 Core			
0.75mm ²	50	177-5962	

YY Cable



- Flexible power control cable commonly used in power control, instrumentation or automated equipment where screening or armouring is not required
- Overall sheathed in Grey PVC with plain copper conductors
- Inner cores are plain copper sheathed in number coded black PVC

Conductor Area (mm ²)	Maximum Outside Diameter (mm)					
	3 Core	4 Core	5 Core	7 Core	12 Core	18 Core
0.75	5.7	6.2	6.7	7.3	9.9	11.7
1	6	6.5	7.1	8	—	—
1.5	6.7	7.2	8.1	8.9	12	14.4
2.5	8.1	8.9	10	11.1	—	—

Core Colour Codes
 3 Core: 2 numbered Black, Green/Yellow
 4 Core: 3 numbered Black, Green/Yellow
 5 Core: 4 numbered Black, Green/Yellow
 7 Core: 6 numbered Black, Green/Yellow
 12 Core: 11 numbered Black, Green/Yellow
 18 Core: 17 numbered Black, Green/Yellow

551928

Conductor Area	Reel Length (m)	Order Code	Price Each
3 Core			
0.75mm ²	50	177-5917	
0.75mm ²	100	177-5939	
1mm ²	50	177-5924	
1mm ²	100	177-5945	
1.5mm ²	50	177-5928	
1.5mm ²	100	177-5949	
2.5mm ²	50	177-5934	
2.5mm ²	100	177-5952	
4 Core			
0.75mm ²	50	177-5918	
0.75mm ²	100	177-5940	
1mm ²	50	177-5925	
1mm ²	100	177-5946	
1.5mm ²	50	177-5929	
1.5mm ²	100	177-5950	
2.5mm ²	50	177-5936	
2.5mm ²	100	177-5953	
5 Core			
0.75mm ²	50	177-5919	
0.75mm ²	100	177-5941	
1mm ²	50	177-5926	

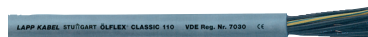
Industrial & Automation Cable - continued

YY Cable - continued

Conductor Area	Reel Length (m)	Order Code	Price Each
5 Core			
1mm ²	100	177-5948	
1.5mm ²	50	177-5930	
1.5mm ²	100	177-5951	
2.5mm ²	50	177-5937	
2.5mm ²	100	177-5954	
7 Core			
0.75mm ²	50	177-5920	
0.75mm ²	100	177-5942	
1mm ²	50	177-5927	
1.5mm ²	50	177-5931	
2.5mm ²	50	177-5938	
12 Core			
0.75mm ²	50	177-5921	
0.75mm ²	100	177-5943	
1.5mm ²	50	177-5932	
18 Core			
0.75mm ²	50	177-5922	
0.75mm ²	100	177-5944	
1.5mm ²	50	177-5933	

Offlex® Number Coded YY Control Cable

Control cable with numbered cores



The Offlex® Number Coded YY Control Cable is ideally suited for use as control, signal and power cable in a variety of applications. Its high flexibility ensures easy installation whilst the tough external sheathing will resist the effects of many acids, caustic solutions and various oils. Areas of use include machine tool engineering, plant installations, car production lines, bottling plants and other automated production facilities. Cores are of electrolytic fine copper wire strands with a PVC-based insulation are laid up in black with white consecutive numbering. Outer sheath of a special PVC-based compound in silver-grey. With protective earth conductor.

Minimum bend radius (flexing)	15 x diameter
Minimum bend radius (static)	4 x diameter
Temperature range (flexing)	-5 to 70°C
Temperature range (static)	-5 to 70°C
Working voltage	300/500 V
Conductor stranding	to BS6360 Class 5, VDE 0295 Class 5
Colour code	VDE 0293, BS6500 Black cores/white numbers
In accordance with VDE Regulations	VDE Reg No 7030
Length	50m

378346

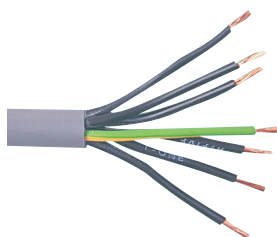
Mftrs. List No.	Number of cores	Nominal cable diameter	Order Code	Price Per Reel
0.75mm²				
1119103	3	5.7mm	117-9042	
1119104	4	6.2mm	165-7595	
1119105	5	6.7mm	120-4058	
1119107	7	7.3mm	120-4059	
1119112	12	9.9mm	120-4060	
1mm²				
1119203	3	6mm	165-7596	
1119204	4	6.5mm	165-7597	
1119205	5	7.1mm	165-7599	
1119207	7	8mm	120-4062	
1.5mm²				
1119303	3	6.7mm	120-4064	
1119304	4	7.2mm	165-7600	
1119305	5	8.1mm	165-7601	
1119307	7	8.9mm	165-7602	
2.5mm²				
1119403	3	8.1mm	165-7603	
1119404	4	8.9mm	165-7605	
1119405	5	10mm	165-7606	

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YY Type - PVC Sheathed



- Flexible PVC insulated plain copper conductors
- Sheathed overall in Grey PVC to VDE specifications
- Applications data: instrumentation, power control in areas not requiring screened armour protection.

Operating temperature -20°C to +80°C (fixed installation)
-5°C to +70°C (flexing) Voltage rating 300/500V

Conductor Area (mm ²)	Maximum Outside Diameter (mm)					Current Rating
	3 Core	4 Core	5 Core	7 Core	12 Core	
0.75mm ²	6.3	6.8	7.1	8.5	10.5	6A
1mm ²	6.6	7.3	—	9.1	—	10A
1.5mm ²	7.3	8	—	—	—	16A
2.5mm ²	9.1	9.8	11	—	—	20A

Core Colour Codes
 3 Core: 2 x numbered Black, Green/Yellow
 4 Core: 3 x numbered Black, Green/Yellow
 5 Core: 4 x numbered Black, Green/Yellow
 7 Core: 6 x numbered Black, Green/Yellow
 12 Core: 11 x numbered Black, Green/Yellow

50m Reels
 Conductor Area Order Code Price Per Reel

3 Core		
0.75mm ²	118-4432	
1mm ²	118-4433	
1.5mm ²	118-4434	
2.5mm ²	118-4435	
4 Core		
0.75mm ²	118-4437	
1mm ²	118-4438	
1.5mm ²	118-4439	
2.5mm ²	118-4440	
5 Core		
0.75mm ²	118-4442	
7 Core		
0.75mm ²	118-4445	
1mm ²	118-4446	
12 Core		
0.75mm ²	118-4448	

230423

UV Resistant 0.6 / 1 kV Black Multicore

Offlex® 110 Black



OLFLEX® Classic 110 Black 0.6/1 kV cables are control and connecting cables with a black outer sheath for use in dry, damp and wet rooms, for normal mechanical abuse. At ambient temperature it is generally resistant against acids, caustics solutions and certain oils. Continuous movements or usage of these cables in moving cable carriers or on motor drum guidance or under a strain of more than 15 N/mm² is not allowed. OLFLEX® Classic 110 Black 0.6/1 kV is used as control and connecting cable for control systems in machine tools, transporting plants, production and assembly lines, as well as measuring systems, automatic control and computer systems.

- Operating temperature -30°C to 80°C max
- PVC insulation
- Bare stranded copper conductors
- Conductors to VDE 0281

Conductor size (CSA)	Conductor make-up	Voltage rating AC
0.75mm ²	24 / 0.2mm	600/1000V
1mm ²	32 / 0.2mm	600/1000V
1.5mm ²	30 / 0.25mm	600/1000V

448974

50m Reels
 No of cores Mftrs. List No. Order Code Price Per Reel

0.75mm²			
2	1120232	128-5849	
3	1120233	128-5850	
4	1120235	128-5851	
1.0mm²			
2	1120266	128-5855	
3	1120267	128-5856	
4	1120269	128-5857	
5	1120271	128-5858	
7	1120274	128-5859	

Polyurethane Control Cable

Olflex® Classic 400P - UV, Microbe & Oil Resistant



Cut Lengths Available

OLFLEX® Classic 400 P cables are UV, microbe and oil resistant control cables with a Polyurethane outer sheath, for flexible or fixed installation. They are for use in dry, damp and wet rooms. With consideration to the specified temperature range it's possible to use it outside. The outer sheath is resistant against high mechanical abuse, particularly to abrasion and cutting. It is microbe-proof and hydrolysis resistant. OLFLEX® Classic 400 P cables are for use as control and power cable for machine tools and mechanical engineering. Continuous movement, use of these cables in moving cable carriers, on motor drum guidance or under a strain of more than 15 N/mm² is not allowed.

- Operating temperature -40°C to 80°C max
- Polyurethane TMPU insulation
- Bare copper stranded conductors

Mftrs. List No.	Cores	Size (CSA)	Current carrying capacity-amps 30°C nominal rise	Diameter External (Max)
1312003	3	0.5mm ²	9	5.1mm
1312004	4	0.5mm ²	9	5.7mm
1312005	5	0.5mm ²	9	6.2mm
1312007	7	0.5mm ²	9	6.7mm
1312103	3	0.75mm ²	12	5.7mm
1312104	4	0.75mm ²	12	6.2mm
1312105	5	0.75mm ²	12	6.7mm
1312107	7	0.75mm ²	12	7.3mm
1312112	12	0.75mm ²	12	9.9mm
1312203	3	1mm ²	15	6mm
1312204	4	1mm ²	15	6.5mm
1312205	5	1mm ²	15	7.1mm
1312207	7	1mm ²	15	8mm
1312303	3	1.5mm ²	18	6.7mm
1312304	4	1.5mm ²	18	7.2mm
1312305	5	1.5mm ²	18	8.1mm
1312307	7	1.5mm ²	18	8.9mm
1312312	12	1.5mm ²	18	12mm
1312403	3	2.5mm ²	26	8.1mm
1312404	4	2.5mm ²	26	8.9mm

449187

50m Reels

Price Per Reel/Metre

No of Cores	Mftrs. List No.	Order Code
0.5mm²		
3	1312003	128-5871
4	1312004	128-5872
5	1312005	128-5873
7	1312007	128-5874
0.75mm²		
3	1312103	128-5875
4	1312104	128-5876
5	1312105	128-5878
7	1312107	128-5879
12	1312112	128-5880
1mm²		
3	1312203	128-5881
4	1312204	128-5882
5	1312205	128-5883
7	1312207	128-5884
1.5mm²		
3	1312303	128-5885
4	1312304	128-5886
5	1312305	128-5887
7	1312307	128-5888
12	1312312	128-5891
2.5mm²		
3	1312403	128-5892
4	1312404	128-5893

PUR Flexible Cables for Cable Chain Applications

Olflex® FD 855P



Cut Lengths Available

OLFLEX® FD 855 P cables are highly flexible, oil resistant control and supply cables for special use in power chains, automatic manipulators, in permanently moving machine parts and also for long travel lengths. They are for use in dry, damp, wet rooms and outside. Usage under strain of more than 15 N/mm² is not advised. OLFLEX® FD 855 P cables are oil resistant and at room temperature resistant against acids and caustics solution. The outer sheath of Polyurethane is resistant against high mechanical abuse, particularly to abrasion and cuts, microbe-proof and hydrolysis resistant. The sheath is halogen-free.

- Superfine stranded bare copper wire conductor
- Polyurethane outer sheath
- Operating temperature -40°C to 80°C max
- Supplied on 50m reels

Size (CSA)	Conductor make-up	Outside diameter
0.75mm ²	42 / 0.15mm	7mm
1mm ²	56 / 0.15mm	7.5mm
1.5mm ²	84 / 0.15mm	8.3mm

449217

Continuous Length in		Price	50m Reel	
1m Multiples		Per m	Price Per Reel	
Cores	Order Code		Order Code	
0.75mm²				
4	128-6022		128-5787	
5	128-6023		128-5788	
7	128-6024		128-5789	
1mm²				
4	128-6025		128-5790	
5	128-6026		128-5791	
7	128-6027		128-5792	
1.5mm²				
4	128-6028		128-5793	
5	128-6029		128-5794	
7	128-6030		128-5795	

PUR Data Cables for Cable Chain Applications

UL CSA



Unitronic-FD® CP TP Plus

Cut Lengths Available

UNITRONIC-FD® CP (TP) is a twisted paired, screened and highly flexible PUR cable for constantly moving components in power chain systems, linear rotors and automatic handling machines. The copper screening with a high coverage effectively protects against external interference.

The cut resistant, notch ductile PUR outer sheath ensures low wear in power chain systems and is highly resistant to mineral oils.

In addition the cable is halogen free, flame retardant and cold flexible(for use in cold conditions).

- Superfine stranded bare copper wire conductor
- Polyurethane outer sheath
- Operating temperature -40°C to 70°C max
- Supplied on 50m reels

Size (CSA)	Conductor make-up	Outside diameter	Loop resistance	Inductance	Capacitance Nom.
0.25mm ²	32 / 0.1mm	7.3mm	160Ω/km	0.65μH/m	60nF/km
0.5mm ²	28 / 0.15mm	9.3mm	79Ω/km	0.65μH/m	60nF/km

449216

Continuous Length in		Price	50m Reel	
1m Multiples		Per m	Price Per Reel	
Pairs	O/D (mm)	Order Code	Order Code	
2	7.3	128-6033	128-5796	
3	7.7	128-6034	128-5797	
4	8.3	128-6035	128-5799	
5	8.9	128-6036	128-5800	
10	12.4	128-6037	128-5801	
0.5mm²				
2	9.3	128-6038	128-5802	
3	10.1	128-6039	128-5803	
4	10.7	128-6040	128-5805	
5	11.8	128-6041	128-5806	
10	16.4	128-6042	128-5807	

High EMC, Low Capacitance Double Screened Servo Cable

Olflex® Servo 2YSLCY



Cut Lengths Available

OLFLEX® Servo 2YSLCY is a flexible cable having special EMC- performance due to its double shielded, low capacitance design. Ideal for frequency converters, varying the speed of 3phase motors. Unlike PVC insulated cables, PE insulated cables shows significant reduction of EMC noise within the whole drive system.

OLFLEX® Servo 2YSLCY cables are suitable for use in dry, damp and wet rooms/locations. Good resistance against acids, caustic solutions and certain oils at room temperature. Suitable for free, as well as for static use. Not suitable for continuously moving appliances or under tensile load.

- Stranded bare copper wire conductor
- Transparent PVC outer sheath
- Operating temperature -40°C to 70°C max
- Supplied on 50m reels

Mftrs. List No.	Size (CSA)	Conductor make-up	Outside diameter
0036425	1.5mm ²	30 / 0.25mm	11.6mm
0036426	2.5mm ²	50 / 0.25mm	13.1mm

449215

Continuous Length in		Price	50m Reel	
1m Multiples		Per m	Price Per Reel	
Conductor (CSA)	Order Code		Order Code	
1.5mm ²	128-6044		128-5808	
2.5mm ²	128-6045		128-5809	

Over 500 000 products available online



Industrial & Automation Cable - continued

Halogen Free Control Cable

Olflex® Classic 130H



Olflex® Classic 130H is a halogen free, highly flame retardant control cable for permanent and non-continuous application in dry and wet environment. For use outside only over ground, with protection for fixed installation.

Minimum bend radius (flexing)	15 x diameter
Minimum bend radius (static)	4 x diameter
Temperature range (flexing)	-15 to 70°C
Temperature range (static)	-40 to 70°C
Working voltage	300/500 V
Conductor stranding	fine wire to IEC 60228 Class 5, VDE 0295 Class 5
Colour code	Black cores/white numbers, with green/yellow ground conductor

490885

Continuous Length in		Price Per m	50m Reel Price Per Reel	
1m Multiples			Order Code	
Cores	O/D (mm)	Order Code	Order Code	
0.75mm²				
2	5.7	150-4117	150-3950	
3	6.2	150-4118	150-3951	
4	6.8	150-4119	150-3953	
6	7.4	150-4120	150-3954	
11	9.9	150-4121	150-3955	
1.00mm²				
2	6	150-4122	150-3956	
3	6.6	150-4123	150-3957	
4	7.2	150-4124	150-3958	
6	8	150-4126	150-3961	
11	10.6	150-4127	150-3962	
1.50mm²				
2	6.7	150-4128	150-3963	
3	7.3	150-4129	150-3964	
4	8.1	150-4130	150-3965	
6	8.9	150-4131	150-3966	
11	12	150-4132	150-3967	

Nominal voltage	U ₀ /U to VDE: 300/500 V U to UL/CSA: 600 V
Test voltage	3000 V AC
Temp. range	-5 to +70°C (flexing) max. conductor temperature -40 to +70°C (fixed) max. conductor temperature
Min. bending radius	15 x cable diameter (flexing) 6 x cable diameter (fixed)
Flame retardant	Vertical flame test to UL 1581 § 1061, CSA FT1, IEC 60 332.1

515238

Continuous Length in		Price Per m	50m Reel Price Per Reel	
1m Multiples			Order Code	
CSA	No. of Cores	Order Code	Order Code	
0.75mm ²	3	161-7881	161-7599	
0.75mm ²	4	161-7882	161-7600	
0.75mm ²	5	161-7883	161-7601	
0.75mm ²	7	161-7884	161-7602	
1mm ²	3	161-7885	161-7603	
1mm ²	4	161-7887	161-7604	
1mm ²	5	161-7888	161-7605	
1mm ²	7	161-7889	161-7607	
1.5mm ²	3	161-7890	161-7608	
1.5mm ²	4	161-7891	161-7609	
1.5mm ²	5	161-7892	161-7610	
1.5mm ²	7	161-7893	161-7611	
2.5mm ²	3	161-7894	161-7612	
2.5mm ²	4	161-7895	161-7613	
2.5mm ²	5	161-7896	161-7614	

Olflex CY Internationally Approved Cable



ÖLFLEX® 150 CY QUATTRO cables are oil resistant control cables. Due to their construction and the composition of material, they are approved in accordance with European & US standards. For use in machine tools, conveyor lines and production lines etc. For middle mechanical abuse, fixed and flexible use or free movement without tensile load in moving cable carriers. They are to be used in dry, damp and wet rooms, but not outside. ÖLFLEX® 150 CY QUATTRO cables are oil resistant and generally resistant against acids and caustics solutions. The screen is a protection against electrical interference.

Conductor	Bare copper, fine wire strand to IEC 60 228 that is VDE 0295, class 5
Design	HD 21.13S1 that is VDE 0281-13, UL AWM, CSA C 22.2 No. 210.2
Core Insulation	PVC compound T12 to HD 21.1 that is VDE 0281 part 1, UL-Class 43 and CSA 90°C
Identification	HD 186 that is VDE 0293, black cores with white numbers with green/yellow ground conductor
Inner Sheath	PVC Compound TM2 to VDE 0281 pt 1, UL-Class 43 and CSA 90°C
Screen	Braid of tinned copper, coverage = 85%
Outer sheath	PVC compound TM5 to HD 21.1 that is VDE 0281 part 1, UL-Class 43 and CSA-90°C
Nominal voltage	U ₀ /U to VDE: 300/500 V U to UL/CSA: 600 V
Test voltage	3000 V AC
Temp. range	-5 to +70°C (flexing) max. conductor temperature -40 to +70°C (fixed) max. conductor temperature
Min. bending radius	15 x cable diameter (flexing) 6 x cable diameter (fixed)
Flame retardant	Vertical flame test to UL 1581 § 1061, CSA FT1, IEC 60

515240

Continuous Length in		Price Per m	50m Reel Price Per Reel	
1m Multiples			Order Code	
CSA	No. of Cores	Order Code	Order Code	
0.75mm ²	3	161-7897	161-7615	
0.75mm ²	4	161-7899	161-7616	
0.75mm ²	5	161-7900	161-7617	
0.75mm ²	7	161-7901	161-7619	
1mm ²	3	161-7902	161-7621	
1mm ²	4	161-7903	161-7622	
1mm ²	5	161-7905	161-7623	
1mm ²	7	161-7906	161-7624	
1.5mm ²	3	161-7907	161-7625	
1.5mm ²	4	161-7908	161-7626	
1.5mm ²	5	161-7909	161-7627	
1.5mm ²	7	161-7910	161-7628	
2.5mm ²	3	161-7911	161-7629	
2.5mm ²	4	161-7912	161-7630	
2.5mm ²	7	161-7913	161-7632	

Screened Intrinsically Safe Control Cables

Olflex® EB CY



Olflex® EB CY is a Screened PVC control cable with a blue outer sheath for use in explosive atmosphere with hazard type "I" (intrinsically safe). Complies with DIN EN 60079-14 section 12.2.2 (VDE 0165 Part 1). Electrical characteristics and marking of wire and cable. The copper braid screen is a protection against electrical interference.

Minimum bend radius (flexing)	20 x diameter
Minimum bend radius (static)	6 x diameter
Temperature range (flexing)	-5 to 70°C
Temperature range (static)	-40 to 70°C
Working voltage	<50Vac, <75Vdc
Conductor stranding	fine wire to IEC 60228 Class 5, VDE 0295 Class 5
Colour code	Black cores/white numbers

490932

Continuous Length in		Price Per m	50m Reel Price Per Reel	
1m Multiples			Order Code	
Cores	O/D (mm)	Order Code	Order Code	
0.75mm²				
2	6.2	150-4145	150-3980	
3	6.5	150-4146	150-3981	
4	7	150-4147	150-3982	
7	8.3	150-4151	150-3985	
12	10.9	150-4152	150-3986	

Olflex Internationally Approved Cable



ÖLFLEX® 150 QUATTRO cables are oil resistant control cables. Due to their construction and the composition of material, they are approved in accordance with European & US standards. For use in machine tools, conveyor lines and production lines etc. For middle mechanical abuse fixed and flexible use free movement without tensile load in moving cable carriers. They are to be used in dry, damp and wet rooms, but not outside. ÖLFLEX® 150 QUATTRO are resistant to oil and generally resistant against acids & caustic solutions.

Conductor	Bare copper, fine wire strand to IEC 60 228 that is VDE 0295, class 5
Design	HD 21.13S1 that is VDE 0281-13, UL AWM, CSA C 22.2 No. 210.2
Core Insulation	PVC compound T12 to HD 21.1 that is VDE 0281 part 1, UL-Class 43 and CSA 90°C
Identification	HD 186 that is VDE 0293, black cores with white numbers with green/yellow ground conductor
Outer sheath	PVC compound TM5 to HD 21.1 that is VDE 0281 part 1, UL-Class 43 and CSA-90°C

Polyurethane Spiral Cable



Application

- For extremely rough conditions and wear and tear
- As control and power cables on machines
- Machine tool manufacturing
- Machine engineering

● Apparatus engineering

Advantage

- Highly chemical-resistant to benzols, benzenes and other agents
- Resistant against microbes, hydrolysis and almost all mineral oils

Length of straight ends	1st end: 200mm 2nd end: 600mm
Core insulation	Special PVC P8/1
Core identification code	Black cores with white numbers
Based on	Core to VDE 0812/0281 Sheath to VDE 0250/0282
Specific insulation resistance	> 20 GΩ x cm
Conductor stranding	Fine wire to VDE 0295, Cl. 5
Rated voltage	U0/U=300/500 V
Test voltage	3000 V
Range of temperature	+5°C to +50°C

Mftrs. List No.	CSA (mm ²)	No. of Cores	Spiral length		Diameter (mm)
			Extended (m)	Unextended (m)	
70002622	0.75	2	1.5	0.5	5.4
70002623	0.75	2	3.0	1.0	5.4
70002634	0.75	4	1.5	0.5	6.2
70002635	0.75	4	3.0	1.0	6.2
70002687	1.5	3	1.5	0.5	6.7
70002688	1.5	3	3.0	1.0	6.7
70002699	1.5	5	1.25	0.5	8.1
70002700	1.5	5	2.5	1.0	8.1

515256

Price Each

Mftrs. List No.	Order Code
70002622	161-7637
70002623	161-7638
70002634	161-7639
70002635	161-7640
70002687	161-7641
70002688	161-7642
70002699	161-7644
70002700	161-7645

Data Spiral Cable



- Used wherever screened cable with smallest dimensions is required
- For measurement and controlling engineering
- Overall screening prevents interference and guarantees accurate pulse transmission
- High flexibility
- Extends up to 4 times the retracted length

Length of straight ends	1st end:200mm 2nd end:600mm
Conductor Stranding	Superfine wire to VDE 0296 Class 6
Core identification code	Colour coded to DIN 47100
Core insulation	PVC
Screen	Copper wrapping
Outer sheath	Wear resistant polyurethane, black
Rated voltage	250 V (not for power applications)
Test voltage	1200 V
Range of temperature	+5°C to +50°C

Mftrs. List No.	CSA (mm ²)	No. of Cores	Spiral length		Diameter (mm)
			Extended (m)	Unextended (m)	
73220204	0.14	2	2.0	0.5	4
73220214	0.14	4	2.0	0.5	4.4
73220224	0.14	6	2.0	0.5	5.4
73220236	0.14	18	0.8	0.2	7.8
73220237	0.14	18	1.2	0.3	7.8
73220239	0.14	18	2.0	0.5	7.8

515262

Price Each

Mftrs. List No.	Order Code
73220204	161-7646
73220214	161-7647
73220224	161-7648
73220236	161-7649
73220237	161-7650
73220239	161-7651

Temperature Resistant Halogen Free Silicone Multicore Cable



Silflex® SiHF



SILFLEX® SiHF are silicone cables and are recommended for use in high ambient temperatures with sufficient ventilation and small mechanical stress. SILFLEX SiHF is resistant against mineral oil, alcohol, acids, alkalis, salt solution and salt water (at 20°C). After combustion, a SiO₂ ash skeleton remains, which still has good insulating properties but doesn't have any mechanical stability. The gasses are halogen free and not corrosive.

- Operating temperature -50°C to 180°C max
- Silicone insulation
- Tinned stranded copper conductors

Mftrs. List No.	Cores	Size (CSA)	Current carrying capacity-amps 30°C nominal rise	Diameter External (Max)
0046001	2	0.75mm ²	12	6.4mm
0046002	3	0.75mm ²	12	6.8mm
0046006	7	0.75mm ²	12	9.2mm
0046007	2	1mm ²	15	6.6mm
0046008	3	1mm ²	15	7mm
00460093	4	1mm ²	15	7.9mm
0046012	7	1mm ²	15	9.5mm
0046013	2	1.5mm ²	18	7.6mm
0046014	3	1.5mm ²	18	8mm
00460153	4	1.5mm ²	18	8.8mm
0046018	7	1.5mm ²	18	10.4mm
0046019	2	2.5mm ²	26	8.8mm
0046020	3	2.5mm ²	26	9.7mm
0046024	7	2.5mm ²	26	12.6mm

448819

50m Reels

Price Per Reel/Metre

No of Cores	Mftrs.List No.	Order Code
0.75mm²		
2	0046001	128-5975
3	0046002	128-5976
7	0046006	128-5978
1mm²		
2	0046007	128-5979
3	0046008	128-5980
4	00460093	128-5982
7	0046012	128-5983
1.5mm²		
2	0046013	128-5984
3	0046014	128-5985
4	00460153	128-5986
7	0046018	128-5988
2.5mm²		
2	0046019	128-5989
3	0046020	128-5990
7	0046024	128-5992

Continuous Length in 1m Multiples

0.75mm²		
2	0046001	149-1467
3	0046002	149-1468
7	0046006	149-1470
1mm²		
2	0046007	149-1471
3	0046008	149-1472
4	00460093	149-1473
7	0046012	149-1474
1.5mm²		
2	0046013	149-1475
3	0046014	149-1476
4	00460153	149-1478
7	0046018	149-1479
2.5mm²		
2	0046019	149-1480
3	0046020	149-1481
4	00460213	149-1482
7	0046024	149-1483

PTFE High Temperature Cables



Olflon® PTFE



ÖLFON® PTFE are heat resistant insulated wires for use for wiring and connections in switch cabinets. Additional to the excellent mechanical and physical properties ÖLFON® PTFE single cores are marked through excellent electrical values, excellent oil-, weathering resistance and UV protection, high elongation and tensile strength and not flammable. ÖLFON® PTFE are resistant against water, acids, caustics solutions, synthetic liquids and oils.

Minimum bend radius (flexing)	15 x diameter
Minimum bend radius (static)	4 x diameter
Temperature range (flexing)	to °C
Temperature range (static)	-190 to 260°C
Working voltage	Typ E : 600V, Typ EE : 1000V

490950

Continuous Length in 1m Multiples		Price Per m	50m Reel	Price Per Reel
Cores	O/D (mm)	Order Code	Order Code	
0.50mm²				
2	3.9	150-4158	150-3992	
2	4.1	150-4159	150-3994	
3	4.5	150-4160	150-3995	
0.75mm²				
2	4.2	150-4161	150-3997	
2	4.4	150-4163	150-3998	
3	5.1	150-4164	150-3999	

Industrial & Automation Cable - continued

PTFE High Temperature Cables - continued

Oliflon® PTFE - continued

Continuous Length in		Price Per m	50m Reel		Price Per Reel
1m Multiples	Order Code		Order Code	Order Code	
Cores	O/D (mm)				
1.00mm²					
2	4.8	150-4165		150-4000	
2	5.1	150-4166		150-4001	
3	5.8	150-4167		150-4002	
1.50mm²					
2	5.6	150-4168		150-4003	
3	6.1	150-4169		150-4004	

◆ = Plus green/yellow earthing conductor

Welding Cable



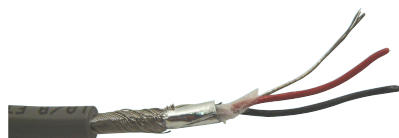
The H01N2-D cables are for connection on arc welding machines for the transmission of high currents from the electric welding machine to the welding tool, or similar uses with high current and low voltages. They are suitable for flexible use under rugged conditions, for use in dry, damp and wet rooms or outside

Conductor	Bare copper
Design	HD 22.6 RESP. VDE 0282 part 6
Outer sheath	Compound EM5 in acc. To VDE 0207 part 21 on separator
Nominal voltage (U ₀ /U)	100/100V
Test voltage	1000 V AC
Temp. range	-25 to +80°C max. conductor temperature
Min. bending radius	12 x cable diameter
Flame retardant	IEC 60332.1 resp. VDE 0482 part 265 2-1
Tests	VDE 0472 and IEC 811-x.x resp. VDE 0473
Approvals	HD 22.6 S2 resp. VDE 0282 part 6
EC Directive	This cable conforms to ECD 73/23/EEC (low voltage directive)

515237

Continuous Length in		Price Per m	50m Reel		Price Per Reel
1m Multiples	Order Code		Order Code	Order Code	
CSA					
16mm ²	161-7878		161-7595		
25mm ²	161-7879		161-7597		
35mm ²	161-7880		161-7598		

XTRA-GUARD® Multi-Core Foil Shield



- Flexible PVC Insulation And Jacket With Overall Cable Design For Installation In C-Track Or High Flexing Applications Up To 6 Million Flex Life Cycles
- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Outstanding Oil, Solvent, Chemical And Fuel Resistance
- Perfectly Round Geometry Helps Insure A Liquid-Tight Installation Per IP-67 Or NEMA 6
- Superior Performance Against EMI/RFI When Specified With SUPRASHIELD® CONTINUOUS FLEX
- Applications include, Industrial Electronic Processing Equipment, DataComm Connections, Connecting Sensors and Actuators to Controllers, Sensor and I/O Interconnects
- **UL AWM Style 2661**

Jacket thickness	0.25mm	Operating temperature	5° to +105°C
Voltage rating	300V		

492117

30.5m Reels	Nominal	Mftrs.	Price Per Reel/Metre	
No. of Cores	Outside Dia. (mm)	List No.	Order Code	
28AWG				
2	4.4	86002CY	151-5165	
3	4.6	86003CY	151-5166	
4	4.8	86004CY	151-5167	
7	5.72	86007CY SL005.	161-0308	
26AWG				
2	4.6	86102CY	151-5168	
3	4.7	86103CY	151-5169	
4	5	86104CY	151-5170	
5	5.3	86105CY	151-5171	
7	5.8	86107CY	151-5173	
12	7.4	86112CY	151-5174	

30.5m Reels	Nominal	Mftrs.	Price Per Reel/Metre	
No. of Cores	Outside Dia. (mm)	List No.	Order Code	
24AWG				
2	4.8	86202CY	151-5175	
3	5	86203CY	151-5176	
4	5.3	86204CY	151-5177	
5	5.7	86205CY	151-5178	
7	6.4	86207CY	151-5179	
12	8.1	86212CY	151-5180	
22AWG				
2	5.2	86302CY	151-5181	
3	5.4	86303CY	151-5182	
4	5.7	86304CY	151-5183	
28AWG				
2	4.4	86002CY	151-5259	
3	4.6	86003CY	151-5260	
4	4.8	86004CY	151-5261	
26AWG				
2	4.6	86102CY	151-5262	
3	4.7	86103CY	151-5264	
4	5	86104CY	151-5265	
5	5.3	86105CY	151-5266	
7	5.8	86107CY	151-5267	
12	7.4	86112CY	151-5268	
24AWG				
2	4.8	86202CY	151-5269	
3	5	86203CY	151-5270	
4	5.3	86204CY	151-5271	
5	5.7	86205CY	151-5272	
7	6.4	86207CY	151-5273	
12	8.1	86212CY	151-5274	
22AWG				
2	5.2	86302CY	151-5276	
3	5.4	86303CY	151-5277	
4	5.7	86304CY	151-5278	

XTRA-GUARD® Multi-Pair Foil Shield



- Flexible PVC Insulation And Jacket With Overall Cable Design For Installation In C-Track Or High Flexing Applications Up To 6 Million Flex Life Cycles
- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Outstanding Oil, Solvent, Chemical And Fuel Resistance
- Perfectly Round Geometry Helps Insure A Liquid-Tight Installation Per IP-67 Or NEMA 6
- Superior Performance Against EMI/RFI When Specified With SUPRASHIELD® CONTINUOUS FLEX
- Applications include, Industrial Electronic Processing Equipment, DataComm Connections, Automation Networking, PLC, Microprocessor and Computer Interconnects, Connecting Sensors and Actuators to Controllers
- **UL AWM Style 2661**

Jacket thickness	0.25mm	Operating temperature	5° to +105°C
Voltage rating	300V		

492130

30.5m Reels	Nominal	Mftrs.	Price Per Reel/Metre	
No. of Pairs	Outside Dia. (mm)	List No.	Order Code	
28AWG				
1	4.7	86401CY	151-5185	
2	5.8	86402CY	151-5186	
3	6	86403CY	151-5187	
26AWG				
1	4.9	86501CY	151-5188	
2	6.1	86502CY	151-5189	
3	6.4	86503CY	151-5190	
4	6.8	86504CY	151-5191	
5	7.3	86505CY	151-5192	
6	7.9	86506CY	151-5193	
24AWG				
1	5.1	86601CY	151-5194	
2	6.6	86602CY	151-5195	
3	6.9	86603CY	151-5197	
4	7.3	86604CY	151-5198	
5	7.8	86605CY	151-5199	
6	8.6	86606CY	151-5200	
22AWG				
1	5.4	86701CY	151-5201	
2	7.1	86702CY	151-5203	
3	7.4	86703CY	151-5204	

30.5m Reels	Nominal	Mftrs.	Price Per Reel/Metre	
No. of Pairs	Outside Dia. (mm)	List No.	Order Code	
28AWG				
1	4.7	86401CY	151-5279	
2	5.8	86402CY	151-5280	
3	6	86403CY	151-5281	
26AWG				
1	4.9	86501CY	151-5282	
2	6.1	86502CY	151-5283	
3	6.4	86503CY	151-5284	
4	6.8	86504CY	151-5285	
5	7.3	86505CY	151-5288	
6	7.9	86506CY	151-5289	
24AWG				
1	5.1	86601CY	151-5290	
2	6.6	86602CY	151-5291	
3	6.9	86603CY	151-5292	
4	7.3	86604CY	151-5293	
5	7.8	86605CY	151-5294	
6	8.6	86606CY	151-5295	
22AWG				
1	5.4	86701CY	151-5296	
2	7.1	86702CY	151-5297	
3	7.4	86703CY	151-5298	

Nom. outside diameter	8.1mm	Min. bending radius	121.5mm
Construction	3 pairs x 0.25mm ²	Max. operating voltage	250V
Characteristic impedance	100Ω	Operating temperature	-30°C to +70°C
Mutual capacitance	60pF/m	Nominal weight	64g/m
208334			
Continuous Length in 1m Multiples			
Mftrs.		Price Per Metre	
List No.	Order Code		
2170216T	117-8858		

Twisted Multicore Shielded Cable



- PVC insulated twisted pairs of 20AWG solid copper conductors
- Shielded overall in Beldfoil® aluminium/polyester foil
- Sheathed overall in Green PVC



Type No.	No. of Pairs	Overall Dia.	Type No.	No. of Pairs	Overall Dia.
YE00819	1	5.5mm	YE00820	2	6.1mm
560997					
Price Per Reel					
Type	Reel Size	Order Code			
YE00819	500m	176-9515			
YE00820	100m	176-9516			

Unitronic® Profibus DP L2/FIP Halogen Free



UNITRONIC® Profibus DP L2/FIP is a halogen free data cable for field bus systems incorporating F.I.P. (Factory Instrumentation Protocol) as well as for high performance data networks with 150Ω nominal impedance. The cable is designed for system-defined transmission rates of 1.5 Mbit/s, 2.5 Mbit/s and 12 Mbit/s, the transmission characteristics guarantee high operating performance during data transmission. The cable is intended for permanent installation in dry or damp interiors. Due to its double screening it is suitable for installation in electromagnetically demanding areas.

- 7 wired stranded bare copper conductor, 0.22mm² (24AWG), 7x0.2mm
- Braiding of tinned copper wire
- Twisting : 2 cores together with 2 fillers (core-filler-core-filler)
- Operating temperature -40°C to 80°C max
- Halogen free flame retardant insulation (Violet)
- Flame retardant to VDE 0482, part 265-2-1/IEC 60 332-1

Size (CSA)	Loop resistance	Mutual capacitance	Impedance at	Line attenuation at
	Max.Ω/km	(Nom. nF/km)	3 to 20MHz	9.6 kHz nom. 4 MHz nom. 16 MHz nom.
0.64mm ²	186	28	150Ω ±15Ω	0.3dB/100m 2.5dB/100m 4.9dB/100m
449166				

100m Reels		Price Per Reel/Metre	
Mftrs. List No.	Order Code		
2170226	128-5870		
Continuous Length in 1m Multiples			
2170226	149-1536		

DataBus® ISA/SP-50 Fieldbus/ PROFIBUS Cable 3076F Paired



- 18 AWG stranded (7x26) tinned copper conductors
- Polyolefin insulation

- Beldfoil® shield (100% coverage)
- Tinned copper drain wire
- PVC jacket
- UL1685

Nominal outside diameter	6.43mm	Max operating voltage	300V rms
Capacitance	24.0pF/ft	Velocity of propagation	66%
Operating temperature	-30°C to +105°C		
478508			

Reel Size	Order Code		
152.4m	142-3242		

DeviceBus® for ODVA DeviceNet™



- Tinned copper conductor
- PVC insulation (power)
- FPE insulation (data)
- Outside diameter: 7.11mm
- Aluminum foil-polyester tape shield
- Tinned copper braid
- PVC jacket

Reel Size	Order Code		
152.4m	176-9514		

SuperFlex® Control Cables



Polyurethane (PUR) jacketed control cables in both screened and unscreened versions. Inner conductors feature superfine Class 6 stranding giving the best performance in dynamic environments. High speed dynamic properties are enhanced by the cable construction utilising a special fleece liner. Polyurethane outer provides maximum oil resistance and mechanical protection. The overall braided screen (where provided) provides optimal EMC protection. Grey outer jacket.

Minimum Bend Radius (flexing)	10x diameter - standard 12x diameter - screened
Minimum Bend Radius (static)	4x diameter - standard 6x diameter - screened
Temperature Range (flexing)	-25 to +80°C
Temperature Range (static)	-40 to +80°C
Working Voltage	300 / 500V
Test Voltage	1200 / 3000V
Conductor Identification	Black with white printing, plus earth
Reel Length	25m
449878	

Mftrs.	Number of	Nominal Cable	Price Per Reel	
List No.	Conductors	Diameter (mm)	Order Code	
Superflex Control Cable				
111000	7 / 1.0	9.3	129-8727	
101013	12 / 1.0	11.1	129-8728	
111003	25 / 1.0	16.3	129-8730	
Superflex Screened Control Cable				
118813	5 / 0.75	9.3	129-8737	
118825	12 / 1.0	13.4	129-8742	

SuperFlex® Sensor Cables



Polyurethane (PUR) sensor cables colour coded according to the industry standard colours for sensor cables. Suitable for connecting sensors to control systems or for making up extension leads whilst maintaining the correct colour coding sequence. Grey outer jacket.

Minimum Bend Radius (flexing)	10x diameter	Working Voltage	300V
Minimum Bend Radius (static)	4x diameter	Test Voltage	1200V
Temperature Range (flexing)	-25 to +80°C	Conductor Identification	Brown, White, Blue, Black
Temperature Range (static)	-40 to +80°C	Reel Length	25m
449883			

Mftrs.	Number of	Nominal Cable	Price Per Reel	
List No.	Conductors	Diameter (mm)	Order Code	
117305	4 / 0.34	4.1	129-8747	

Unitronic® Bus Cable



- 3 twisted pairs of polyethylene insulated superfine multi-stranded plain copper conductors
- Colour coded to DIN47100 requirements

- Plain copper braid screen
- Sheathed overall in Violet polyurethane (RAL4001)
- Halogen-free, flame retardant to VDE0472 pt 804
- Conforms to DIN19258/EN50254
- Applications include power chain, moving machinery and robotics

Industrial & Automation Cable - continued

CC-Link Communication Cable



- 20AWG (7/28AWG) copper conductor
- HDPE insulation
- Outside diameter: 7.7mm
- Beldfoil® and tinned copper braid shield
- PVC jacket

Reel Size	Order Code	Price Per Reel
304.8m	176-9497	550724

Coaxial Cable

RG6 433945

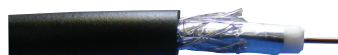


- Analogue/Video CCTV
- Indoor

Nominal outside diameter	6.75mm	Attenuation per 100m	2.10dB @ 10MHz
Capacitance	53.4pF/m		6.56dB @ 100MHz
Operating temperature	-30°C to +70°C		13.8dB @ 400MHz
Max operating voltage	300V rms	Velocity of propagation	83%

Reel Size	Order Code	Price Per Reel
100m	142-3220	478345

RG6/U Coax Cable



- Conductor: Copper Clad Steel
- Dielectric: Foamed Polyethylene
- Jacket: Black PVC

Conductor	Outer Diameter	Impedance
1 / 1.0mm	6.6mm	75Ω

Order Code	Reel Size	Price Per Reel
164-3734	100m	523720

9913F - Transmission Cable RG-8/U 50Ω



- 10 AWG (7/19AWG) bare copper wire
- Foam polyethylene insulation
- Duobond™ II 90%+ French braid, providing 100% coverage

- Sheathed overall in matt Black Belflex™ jacket
- Flexible stranded transmission cable typically used for high and low power RF connections. e.g. radio, antenna, microwave, transmitter and receiver applications. Excellent mechanical properties

Nominal outside diameter	10.29mm	Attenuation per 100m	4.3dB @ 100MHz,
Capacitance	78.7pF/m		8.9dB @ 400MHz, 14.8dB @ 1GHz,
Velocity of propagation	84%		36dB @ 4GHz
Nominal Impedance	50Ω		

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
9913F	30.48m	593-576	208233
Continuous Length in 1m Multiples			
9913F		121-8665	

RG11/U Coax Cable



- Conductor: Copper
- Dielectric: Foamed Polyethylene
- Jacket: Black PVC

Conductor	Outer Diameter	Impedance
1 / 1.63mm	10.1mm	75Ω

Order Code	Reel Size	Price Per Reel
164-3736	100m	523721

9222 Computer Triax RG58 A/U



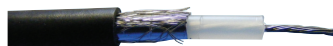
- 20AWG (7/28 AWG) tinned copper conductor
- 2 tinned copper shields 96% coverage each, separated by layer of polyethylene
- Sheathed overall in Yellow PVC jacket

Nominal outside diameter	6.1mm	Nominal attenuation 100m	1.6dB @ 1MHz
Core diameter	0.94mm		4.9dB @ 10MHz
Nominal Impedance	50Ω		16.1dB @ 100MHz
Nominal Velocity of propagation	66%		39.4dB @ 400MHz
Nominal Capacitance	101pF/m		78.7dB @ 1GHz

Note: Reel length with U - prefix indicates supplied in UNReel® dispenser box

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
9222	30.48m	118-2133	208229

RG58A/U Coaxial Cable



Conductors	19 / 0.18mm Tinned Copper	O/D	4.95mm
Dielectric	PE	Sheath	PVC
Screen	16 x 2 / 0.12mm Tinned Copper	Reel	100m
Colour	Black		

Order Code	Price Per Reel
165-0602	524043

RG58BU/CU - 50Ω



- Solid polyethylene insulated 1/0.8mm copper clad steel conductor (RG58BU)
- Braided screen
- Black PVC sheathed overall to MIL-C17D

Nominal outside diameter	4.95mm	Maximum RF working voltage	KV2.5 peak
Capacitance	100pF/m	Nominal attenuation (100m)	1.7dB @ 100MHz,
Maximum voltage	15kVdc		5.6dB @ 1000MHz,

50m Reel	Order Code	Price Per Reel
RG58BU	120-2663	
100M Reel		
RG58BU	120-2665	
500M Reel		
RG58CU	120-2666	
Continuous Length in 1m Multiples		
RG58BU	144-0543	

RG58CU 50Ω



- High quality RG58 cable
- 19/0.18mm stranded tinned copper conductor
- Solid polyethylene dielectric
- 90% plain copper braid coverage
- Insulated in Black PVC

Capacitance	100pF	Impedance	50Ω
Nominal outside diameter	4.95mm		

100m Reel	Order Code	Price Per Reel
Colour		
Black	121-9357	232150

RG58C/U LSF



- Application: Coaxial communication cable based on MIL-C-17
- Conductor: Stranded Tinned Copper

- Dielectric: Solid Polyethylene
- Shield: Annealed Tinned Copper
- Jacket: LSOH according the European Standard HD 624

Nominal outside diameter	4.95mm	Attenuation per 100m	4.5dB @ 10MHz
Capacitance	100pF/m		22.0dB @ 200MHz
Operating temperature	-15°C to +70°C		32.0dB @ 400MHz
Max operating voltage	2000V rms	Velocity of propagation	66%

Reel Size	Order Code	Price Per Reel
100m	142-3324	478289
500m	142-3325	

Over 500 000 products available online



50Ω Transmission Cable
MRG5800



- Conductor: Tinned Copper
- Dielectric: Polyethylene
- Shield: Tinned Copper Braid
- Jacket: Polyvinyl Chloride

Transmission cable is used for low and high power radio frequency (RF) connections. Examples include radio antenna tower connections, CB and cellular phone antenna connections and microwave transmitter and receiver applications.

Nominal outside diameter	4.95mm	15.1dB @ 100MHz	
Capacitance	100pF/m	30.7dB @ 400MHz	
Operating temperature	-15°C to +70°C	Velocity of propagation	66%
Attenuation per 100m	3.3dB @ 5MHz		

478277

Price Per Reel

Reel Size	Order Code
100m	142-3314
500m	142-3315

RG59/U



- Analogue/Video CCTV coax
- Conductor: Solid Copper
- Dielectric: Polyethylene

- Shield: Bare Copper Braid
- Jacket: Grey FRNC

Nominal outside diameter	5.9mm	Attenuation per 100m	2.95dB @ 10MHz
Capacitance	53.5pF/m		8.53dB @ 100MHz
Operating temperature	-30°C to +70°C		16.4dB @ 400MHz
Max operating voltage	2500V DC rms	Velocity of propagation	83%

477873

100m Reel

Price Per Reel

Colour	Order Code
Grey	142-3244

RG59/U Coaxial Cable



Conductors	1 / 0.643mm Bare Copper	O/D	6.1mm
Dielectric	PE	Sheath	PVC
Screen	16 x 7 / 0.16mm Bare Copper	Reel	100m
Colour	Black		

524048

Price Per Reel

Order Code
165-0603

A/V Coaxial Cable



Conductors	39 / 0.1mm Bare Copper	Sheath	PVC
Screen	16 x 9 / 0.1mm Bare Copper	Reel	100m
O/D	6mm		

524039

Price Per Reel

Colour	Order Code
Blue	165-0600
Black	165-0601

RG59BU 75Ω



- High quality RG59 coaxial
- 0.58mm copper covered steel
- Solid polyethylene dielectric
- 90% plain copper braid coverage and insulated in Black PVC

Capacitance	67pF
Nominal outside diameter	6mm

232148

100m Reel

Price Per Reel

Colour	Order Code
Black	378-8155

RG59BU 75Ω



- Solid polyethylene insulated 1/0.6mm copper clad steel conductor, braid screened
- PVC sheathed overall.

Nominal outside diameter	6.15mm	Attenuation per 10m	1.3dB @ 100MHz
Capacitance	68pF/m		1.9dB @ 200MHz
Max. RF working voltage	3.5kV peak		4.6dB @ 1000MHz

100m Reel

Price Per Reel

Colour	Order Code
Black	120-2739

RG59B/U Coax Cable



- Conductor: Copper Clad Steel
- Dielectric: Foamed Polyethylene
- Jacket: Black PVC

Conductor	1 / 0.65mm	Outer Diameter	6.5mm	Impedance	75Ω
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523722

Price Per Reel

Order Code	Reel Size
164-3737	100m

RG59B/U LSF Coaxial Cable



- Suitable for data transmission and with CCTV equipment
- CCS conductor
- 16/7/0.11mm copper braid
- Solid PE dielectric
- Braid coverage 80%
- LSF sheath
- Supplied on 100m reels

Attenuation 100MHz (per 10m)	11dB	Insulation thickness	0.80mm
Attenuation 400MHz (per 10m)	23dB	Impedance	75Ω (±3)
Attenuation 1000MHz (per 10m)	39.5dB	Velocity ratio %	66.7
Outside Ø	6.15mm	Rated Voltage	30V
Dielectric thickness	1.56mm	Rated temperature	70°
Insulation diameter	3.70 (±0.03)		

473961/479186

Price Per Reel

Order Code
139-0059

Mini RG59 Coaxial Cable



- 1/0.64mm CCS conductor
- 16/4/0.12mm tinned copper braid with AL Foil
- Solid PE dielectric
- Braid coverage 83%
- PVC sheath
- Supplied on 100m reels

Attenuation 10MHz	0.37dB	Insulation	PVC
Attenuation 100MHz	1.200dB	Rated Voltage	30V
Impedance	75Ω (±3)	Capacitance (pF/m)	56 ±5
Conductor	1/0.41mm	Velocity ratio %	81

473956/479184

Price Per Reel

Order Code
139-0056

RG142



Suitable for high frequency connections operating at high temperature, or on equipment expected to work under severe conditions without failure.



- Good resistance to flame NFC 32070/C1 & C2 (CEI 332-1)
- 1x0.94 solid, silver plated copper clad steel conductor
- Maximal operating frequency: 3 GHz
- PTFE insulator, double braided screen and glass fiber jacket
- Operating temperature: -90 to 250°C
- Good resistance to aircraft fluids

Capacitance	<105pF/m	Conductor	0.94mm ²	Outer Diameter	4.95mm	Impedance	50Ω
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337282

Price Per Reel/Metre

Reel Size	Order Code
25m	121-7818

Continuous Length in 1m Multiples
149-1569

RG142B/U



- 50Ω Coaxial cable
- Conductor: Silver Plated Copper
- Dielectric: Solid PTFE
- Shield: Silver Plated Copper Braid
- Jacket: FEP
- MIL-C-17/158A-00001

Coaxial Cable - continued

RG142B/U - continued

Nominal outside diameter	4.95mm	Max operating voltage	1400V rms
Capacitance	105pF/m	Attenuation per 100m	38.38dB @ 400MHz
Operating temperature	-55°C to +200°C		

478191

Price Each

Reel Size	Order Code
25m	142-3292 ●

RG174AU 50Ω



- Solid polyethylene insulated 7/34 AWG copper covered steel conductors
- Braid screened
- Black PVC sheathed overall to MIL-C17
- Use with SMB, SMC and MCX connectors.

Nominal outside diameter	2.8mm	Maximum RF working voltage	2.1kV peak
Capacitance	101pF/m	Nominal attenuation (100m)	57.5dB @ 400MHz,
Max. voltage (core to screen)	6kV dc		
(screen to sheath outer)	2.8kV dc		

208356

Price Per Reel

Reel Colour	Length	Order Code
Black	50m	120-2736 ●
Black	100m	120-2737 ●
Black	500m	120-2738 ●

RG174/U



Coaxial cable ideal for data communications and LAN applications.

- Inner Conductor: Copper Coated Steel
- Dielectric: Solid Polyethylene
- Shield: Tinned Copper Braid
- Jacket: Black PVC

Capacitance	Conductor	Outer Diameter	Impedance
102pF/m	7 / 0.16mm	2.54mm	50Ω

450464

Price Per Reel

Reel Size	Order Code
30.48m	130-2764 ●
304.8m	130-2765 ●

RG178B/U



- 50Ω Radio frequency
- MIL-C-17/169
- Conductor: Silver Plated Copper
- Dielectric: PTFE
- Shield: Silver Plated Copper Braid
- Jacket: FEP

Nominal outside diameter	1.8mm	Attenuation per 100m	46dB @ 100MHz
Capacitance	105pF/m		92dB @ 400MHz
Operating temperature	-55°C to +200°C		151dB @ 1000MHz
Max operating voltage	750V rms		

478246

Price Per Reel

Reel Size	Order Code
25m	142-3308 ●
100m	142-3309 ●

RG178 PE



- Conductor: Silver Plated Copper
- Dielectric: Solid Polyethylene

- Shield: Tinned Copper
- Jacket: PVC according to the European Standard HD 624
- MIL-C-17

Nominal outside diameter	1.8mm	Attenuation per 100m	19dB @ 10MHz
Capacitance	100pF/m		63dB @ 200MHz
Operating temperature	-25°C to +70°C		92dB @ 400MHz
Max operating voltage	600V rms	Velocity of propagation	66%

478228

Price Per Reel

Reel Size	Order Code
50m	142-3298 ●
100m	142-3299 ●

RG178BU



Ideal for high frequency interconnections between PCB in Telecommunication equipment's.

- Continuous working voltage: 750 volts
- Very good resistance to solvents
- Maximal operating frequency: 3 GHz
- Very good resistance to soldering operations
- Single braid silver plated copper screen
- Brown FEP jacket
- Operating temperature: -90 to 200°C (PTFE)

Capacitance	Conductor	Outer Diameter	Impedance
95pF/m	7x0.10mm	1.8mm	50Ω

337283

Price/Reel

Reel Size	Order Code
100m	121-7819 ●
25m	121-7820 ●

Halogen Free Coax 178



Cut Lengths Available

- RG-178 alternative coax offered with halogen free insulation material
- Dimensions and conductor type conform to Mil Spec Mil-C-17
- Insulation is fully qualified to Def Stan 61-12 part 31
- Flame retarded and low smoke generation
- Low evolution of hazardous and corrosive gases
- Excellent flexibility
- Good resistance to oils, fuels and fluids
- Temperature rating: -30 to 105°C

Outer Diameter	1.8mm
Impedance	50Ω ±2Ω
Capacitance	98 pF/m maximum
Continuous Working Voltage	750 volts r.m.s. maximum
Operating Frequency	3GHz maximum
Attenuation dB/100m	10MHz 14.89, 100MHz 48.59, 1000MHz 164.25
Conductor	7/38awg silver plated copper clad steel

338942

100m Reels

Price Per Reel/Metre

Order Code
505-1265 ●
Continuous Length in 1m Multiples
149-1566 ●

RG178B/U



Cut Lengths Available

Coaxial cable ideal for high speed data communications and LAN applications.

- Inner Conductor: Copper Coated Steel
- Dielectric: Tetrafluoroethylene
- Shield: Tinned Copper Braid
- Jacket: Clear Fluorinated Ethylene-Propylene

Capacitance	Conductor	Outer Diameter	Impedance
93.1pF/m	7/0.1mm	1.8mm	50Ω

450470

Price Per Reel/Metre

Reel Size	Order Code
30.48m	130-2766 ●
Continuous Length in 1m Multiples	
	149-1564 ●

RG179BU 75Ω



- P.T.F.E. insulated 7/0.1mm (7/0.004 in.) stranded silver plated copper-clad steel conductor with silver plated copper braid screen
- Sheathed overall in transparent Brown F.E.P. (fluorinated ethylene propylene) to MIL-C-17 requirements

Nominal outside diameter	2.54mm	Max R.F voltage	1.2kV (peak)
Capacitance	75pF/m	Attenuation per 100m	55.76dB @ 400MHz,

208104

Reel Length	Order Code
25m	121-7849 ●
100m	121-7850 ●

RG179B/U



- 75Ω Radio frequency
- MIL-C-17/94
- Conductor: Silver Plated Copper
- Dielectric: PTFE
- Shield: Silver Plated Copper Braid
- Jacket: FEP

Nominal outside diameter	2.54mm	Attenuation per 100m	33dB @ 100MHz
Capacitance	75pF/m		52dB @ 400MHz
Operating temperature	-55°C to +200°C		79dB @ 1000MHz
Max operating voltage	900V rms		

478265

Price Per Reel

Reel Size	Order Code
25m	142-3310 ●
100m	142-3311 ●

RG179PE 75Ω



Low density, polyethylene spaced coaxial cable suitable for data transmission applications. Inner conductor 7/0.102mm Silver Plated Copper Covered Steel. Tinned copper braid screened and Black PVC sheathed overall.

Nominal outside diameter	2.54mm	Operating temperature	70°C max
Capacitance	68.8pF/m	Attenuation per 10m	6.9dB @ 400MHz,

466808

Price Per Reel

Colour	Reel Length	Order Code
Black	25m	134-7171 ●
Black	100m	134-7173 ●

RG179 PE



- 75Ω Radio frequency
- MIL-C-17
- Conductor: Silver Plated Copper

- Dielectric: Solid Polyethylene
- Shield: Tinned Copper
- Jacket: PVC according to the European Standard HD 624

Nominal outside diameter	2.8mm	Attenuation per 100m	8dB @ 10MHz
Capacitance	67pF/m		27dB @ 100MHz
Operating temperature	-25°C to +70°C		88dB @ 1000MHz
Max operating voltage	1000V rms	Velocity of propagation	66%

478238

Price Per Reel

Reel Size	Order Code
50m	142-3300 ●
100m	142-3301 ●

RG213AU 50Ω



- RG213AU cable
- 7/0.75mm stranded copper conductors
- Solid polyethylene dielectric covered in a plain copper braid
- Insulated in Black PVC

Capacitance	100pF
Nominal outside dia.	10.3mm
Impedance	50Ω

232149

Price Per Reel

100m Reel Colour	Order Code
Black	121-9356 ●

RG213U Coax Cable



- Conductor: Copper
- Dielectric: Foamed Polyethylene
- Jacket: Black PVC

Conductor	7 / 0.72mm	Outer Diameter	10.3mm	Impedance	50Ω
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523723

Price Per Reel

Order Code	Reel Size
164-3738 ●	100m

RG213U



Suitable for high frequency connections.



- Continuous working voltage: 3700 volts
- Good resistance to flame NFC 32070/C2 & CEI 332-1&2
- Single braid bare copper screen
- Maximal operating frequency: 3 GHz
- Operating temperature: -40 to 85°C

Capacitance	100pF/m	Conductor	7 / 0.75mm	Outer Diameter	10.3mm	Impedance	50Ω
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337285

Price Per Reel/Metre

Reel Size	Order Code
100m	121-7822 ●
Continuous Length in 1m Multiples	
	149-1571 ●

RG214U



Suitable for high frequency connections.

- Continuous working voltage: 3700 volts
- Good resistance to flame NFC 32070/C2 & CEI 332-1&2
- Maximal operating frequency: 11 GHz
- Double braid silver plated copper screen
- Operating temperature: -40 to 85°C

Capacitance	<106pF/m	Conductor	7 / 0.75mm	Outer Diameter	10.8mm	Impedance	50Ω
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337286

Price Per Reel

Reel Size	Order Code
25m	121-7826 ●

RG223U



Suitable for high frequency connections.

- Continuous working voltage: 1400 volts
- Good resistance to flame NFC 32070/C2
- Maximal operating frequency: 12.4 GHz
- Solid core, silver plated copper conductor
- Double braid silver plated copper screen
- Operating temperature: -40 to 80°C

Capacitance	<106pF/m	Conductor	0.89mm	Outer Diameter	5.38mm	Impedance	50Ω
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337287

Price Per Reel / Metre

Reel Size	Order Code
100m	121-7827 ●
Continuous Length in 1m Multiples	
	149-1572 ●

RG316U 50Ω



- P.T.F.E. insulated 7/0.17mm (7/0.0067 in.) stranded silver plated copper-clad steel conductor
- RG316U - single silver plated copper braid screen
- Sheathed overall in transparent Brown F.E.P. (fluorinated ethylene propylene) to MIL-C-17 requirements

Nominal outside diameter	2.49mm	Attenuation per 10m	3.61dB @ 100MHz (RD316U)
Capacitance	105pF/m		6.89dB @ 400MHz (RG316U)
Max R.F voltage	1.2kV (peak)		19.03dB @ 1000MHz (RG316U)

208105

Price Per Reel/Metre

Reel Length	Order Code
25m	121-7851 ●
100m	121-7852 ●

RG316/U



- 50Ω Radio frequency
- Conductor: Silver Plated Copper
- Dielectric: PTFE
- Shield: Silver Plated Copper Braid
- Jacket: FEP
- MIL-C-17/172

Nominal outside diameter	2.49mm	Attenuation per 100m	37.0dB @ 100MHz
Capacitance	105pF/m		55.0dB @ 400MHz
Operating temperature	-55°C to +200°C		102dB @ 1000MHz
Max operating voltage	900V rms		

478203

Price Per Reel

Reel Size	Order Code
25m	142-3322 ●

RG316DT



- Double screened coaxial cable
- 50Ω Radio frequency
- Conductor: Silver Plated Copper
- Dielectric: PTFE
- Shield: Silver Plated Copper Braid
- Jacket: FEP
- MIL-C-17/152

Nominal outside diameter	2.93mm	Attenuation per 100m	37.0dB @ 100MHz
Capacitance	105pF/m		47.0dB @ 200MHz
Operating temperature	-55°C to +200°C		102dB @ 1000MHz
Max operating voltage	900V rms		

478220

Price Per Reel

Reel Size	Order Code
25m	142-3296 ●
100m	142-3297 ●

Coaxial Cable - continued

Halogen Free Coax 316



Cut Lengths Available

- RG-316 alternative coax offered with halogen free insulation material
- Dimensions and conductor type conform to Mil Spec Mil-C-17
- Insulation is fully qualified to Def Stan 61-12 part 31
- Flame retarded and low smoke generation
- Low evolution of hazardous and corrosive gases
- Excellent flexibility
- Good resistance to oils, fuels and fluids
- Temperature rating: -30 to 105°C

Outer Diameter	2.5mm
Impedance	50Ω ±2Ω
Capacitance	98 pF/m maximum
Continuous Working Voltage	750 volts r.m.s. maximum
Operating Frequency	2.7GHz maximum
Attenuation dB/100m	10MHz 8.63, 100MHz 28.78, 1000MHz 101.58
Conductor	7/017mm silver plated copper clad steel

338928

100m Reels Price Per Reel/Metre

Order Code

505-1289

Continuous Length in 1m Multiples

149-1567

RG402U/RG405U 50Ω Semi-Rigid Microwave



- Semi-rigid coaxial cable especially suited for use with SMA connectors
- Inner conductor silver coated copper clad steel
- 0.9mm (RG402U), 0.5mm (RG405U)
- Solid copper tube outer conductor ensures negligible RF leakage
- Precision construction provides quality performance to 18GHz using SMA connectors
- Score with knife to strip outer sheathing

	RG402	RG405
Operating temp. range	-40°C to +125°C	-40°C to +125°C
Nominal outside dia.	3.58mm	2.2mm
Capacitance	96pF	105pF
Max voltage	1.5kV dc	1.9kV dc

208362

Price Per Length

Order Code

RG405

3m Length 711-299

RG402

1m Length 711-263

3m Length 711-275

RG402/U Coaxial Cable



New

- Conductor: Silver Plated Copper Covered Steel
- Dielectric: TFE
- Outer Shield: Copper Tin Composite

Nominal outside diameter	3.5mm	Max operating voltage	30V rms
Capacitance	29.5pF/ft	Attenuation per 100ft	12dB @ 1GHz
Impedance	50ohm		46.6dB @ 10GHz
Operating temperature	-70°C to +200°C	Velocity of propagation	69.5%

550696

Price Per Reel

Reel Size

Order Code

50m

176-9519

UR-M43 Coax Cable



New



Single 0.9mm plain copper core with solid polyethylene insulation, copper braiding and black PVC sheath. Supplied in 100m reel.

Impedance	50Ω	Attenuation per 100m	13dB @ 100MHz
Capacitance	100pF	External Diameter	44.6dB @ 1000MHz
			5mm

538308

Price Per Reel

Order Code

171-7992

URM43 Coaxial Cable



- Conductor: Copper
- Dielectric: Solid PE
- Shield: Bare Copper Braid
- Jacket: PVC according to the European Standard HD 624



New

Nominal outside diameter	5mm	Attenuation per 100m	13dB @ 100MHz
Capacitance	98pF/m		18.7dB @ 200MHz
Operating temperature	-40°C to +70°C		44.6dB @ 1GHz
Max operating voltage	2000V rms	Velocity of propagation	66%

550677

Price Per Reel

Reel Size

Order Code

100m

176-9504

URM67 Coaxial Cable



- Designed for use with high frequency signal and data transmissions
- Bare copper conductor with plain copper braid
- Solid PE dielectric
- Braid coverage of 87%
- Supplied on 100m reels

Attenuation 100MHz	0.7dB	Dielectric Insulation Overall	7.25mm
Attenuation 1000MHz	2.52dB		10.30mm
Dielectric thickness	2.45mm		

473937/479179

Price Per Reel

Order Code

139-0049

URM67 Coaxial Cable



- Conductor: Stranded Copper
- Dielectric: Foamed PE
- Shield: Bare Copper Braid
- Jacket: PVC according to the European Standard HD 624



New

Nominal outside diameter	10.3mm	Attenuation per 100m	6.8dB @ 100MHz
Capacitance	98pF/m		9.9dB @ 200MHz
Operating temperature	-30°C to +70°C		25.2dB @ 1GHz
Max operating voltage	6500V rms	Velocity of propagation	66%

550683

Price Per Reel

Reel Size

Order Code

50m

176-9505

URM70 Coaxial Cable



- Conductor: Stranded Copper
- Dielectric: Foamed PE



New

- Shield: Bare Copper Braid
- Jacket (URM70): PVC according to the European Standard HD 624
- Jacket (URM70NH): FRNC according to the European Standard HD 624

	URM70	URM70NH
Nominal outside diameter	5.8mm	5.8mm
Capacitance	67pF/m	67pF/m
Operating temperature	-40°C to +70°C	-15°C to +70°C
Max operating voltage	1800V rms	1800V rms
Attenuation per 100m	15.2dB @ 100MHz	15.2dB @ 100MHz
	21.8dB @ 200MHz	21.8dB @ 200MHz
	51.7dB @ 1GHz	51.7dB @ 1GHz
Velocity of propagation	66%	66%

550685

Price Per Reel

Reel Size

Order Code

URM70

100m

176-9506

500m

176-9507

URM70NH

100m

176-9508

URM76 Coaxial Cable



- Conductor: Stranded Tinned Copper



New

- Dielectric: Solid PE
- Shield: Bare Copper Braid
- Jacket (URM70): PVC according to the European Standard HD 624
- Jacket (URM70NH): FRNC according to the European Standard HD 624

Over 500 000 products available online



	URM70	URM70NH
Nominal outside diameter	5mm	5mm
Capacitance	98pF/m	98pF/m
Operating temperature	-40°C to +70°C	-15°C to +70°C
Max operating voltage	2000V rms	2000V rms
Attenuation per 100m	15.5dB @ 100MHz 22.2dB @ 200MHz 52.7dB @ 1GHz	15.5dB @ 100MHz 22.2dB @ 200MHz 52.7dB @ 1GHz
Velocity of propagation	66%	66%

550688

Price Per Reel

Reel Size	Order Code
URM70	
100m	176-9511
500m	176-9512
URM70NH	
100m	176-9513

URM76 Coaxial Cable - LSF



- Low smoke zero halogen construction
- Designed for use with high frequency signal and data transmissions
- Bare copper conductor with plain copper braid
- Solid PE dielectric
- Braid coverage of 87%
- Supplied on 100m reels

Attenuation 100MHz	1.6dB	Insulation thickness	1.02mm
Attenuation 1000MHz	5.3dB	Insulation \varnothing	2.95mm

473931/479178

Price Per Reel

Order Code
139-0048

URM202 Coaxial Cable



- Conductor: Copper
- Dielectric: Foamed PE
- Shield: Bare Copper Braid
- Jacket: PVC according the European Standard HD 624

Nominal outside diameter	5.1mm	Attenuation per 100m	11dB @ 100MHz 16dB @ 200MHz 40dB @ 900MHz
Capacitance	55pF/m	Velocity of propagation	81%
Operating temperature	-40°C to +70°C		
Max operating voltage	1200V rms		

550690

Price Per Reel

Colour	Reel Size	Order Code
Black	200m	176-9498
Grey	200m	176-9499
White	200m	176-9500

URM203 Coaxial Cable



- Conductor: Copper
- Dielectric: Foamed PE
- Shield: Bare Copper Braid
- Jacket: PVC according the European Standard HD 624

Nominal outside diameter	7.25mm	Attenuation per 100m	7.5dB @ 100MHz 11dB @ 200MHz 26dB @ 900MHz
Capacitance	55pF/m	Velocity of propagation	81%
Operating temperature	-40°C to +70°C		
Max operating voltage	2400V rms		

550689

Price Per Reel

Colour	Reel Size	Order Code
Black	100m	176-9501
Grey	100m	176-9502
White	100m	176-9503

VMTX Miniature Coaxial Cable 50Ω and 75Ω



- Suitable for high frequency operation 3GHz maximum
- Resistant to fluids used in aircraft
- Wide operating temperature range
- Very small diameter good flexibility
- White FEP sheathed overall

	50VMTX	75VMTX
Temperature range	-90°C to +200°C	-90°C to +200°C
Impedance	50Ω	75Ω
Maximum working voltage	250V dc	250V dc
Attenuation per 100m @ 100MHz	55dB	70dB
Solid centre conductor silver plated copper covered steel	0.17mm	0.1mm
Nominal overall dia.	1.17mm	1.22mm
Dielectric	PTFE	PTFE
Silver plated copper braid screen		

208255

100m Reel

Mftrs.	List No.	Order Code	Price Per Reel/Metre
50Ω	5633JZZD	157-284	
75Ω	5634JZZD	157-296	

75Ω Low Loss Coaxial Cable



A 75Ω, low loss television downlead available in both white and brown. The cable has a 1.00mm single conductor and an overall PVC sheath.

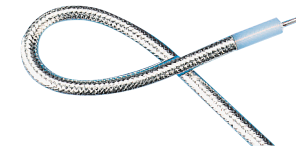
Technical Data	Technical Data
Impedance	75Ω
Conductor	1/1.00mm CCS
Screen	48/0.12mm Braided Copper Screen
Dielectric	Semi Air-Spaced PE
Outer Diameter	6.50mm
CSA	0.78mm

537987

Price Per Reel

Reel Size	Order Code
100m	171-8005

Quickform®



- Electrical performance similar to semi rigid coaxial
- Very low attenuation with very high screening
- Easily formed by hand
- Recommended for mobile phones and PCB to PCB links
- Intended for static links



	Quickform®86	Quickform®141
Impedance	50Ω±2Ω	50Ω±2Ω
Inner conductor silver plated copper covered steel dia.	0.51mm	0.94mm
Outer conductor tin soaked copper braid diameter	2.5mm	4mm
Capacitance	97pF/m/m	97pF/m/m
Dielectric	PTFE	PTFE
Attenuation per 100m	@ 50MHz: 15.5dB @ 1GHz: 73.8dB @ 2GHz: 110dB	8.2dB 40.2dB 60.1dB

524441

Continuous Length in 1m Multiples

Price Per Metre

	Order Code
Quickform®86	164-1544
Quickform®141	164-1545

Price Per Reel

100m Reel	Order Code
Quickform®86	164-1386
Quickform®141	164-1387

9907 - Thin Ethernet™ Coaxial 50Ω



- Foam polyethylene insulated 20AWG (19/32AWG) tinned stranded copper conductor shielded in Duo-bond® II aluminium/polyester/aluminium foil which is bonded to the dielectric
- Shielded overall in tinned copper braid and sheathed overall in Grey PVC.



Nominal outside diameter	4.7mm	Attenuation per 100m	1.4dB @ 1MHz 4.3dB @ 10MHz
Nominal impedance	50Ω	Velocity of propagation	80%
Conductor resistance	83.3pF/m		

DEC Part No. 17-01248-00 UL Style 1354

Note: Reel length with U-prefix indicates supplied in UnReel® dispenser box.

208075

Belden No.	Reel Length	Order Code
9907	152.4m	118-2073
Continuous Length in 1m Multiples		
9907		121-8658

Low Loss Air Spaced 75Ω



- Low loss general purpose TV downlead cable with 5-cell air spaced polyethylene insulated
- 1/1.0 conductor with plain copper braid screen
- Sheathed overall in Brown PVC.

Coaxial Cable - continued

Low Loss Air Spaced 75Ω - continued

Nominal outside diameter 6.5mm Attenuation per 100m 0.78dB @ 100MHz, 2.44dB @ 860MHz, Capacitance 53pF/m

208016

100m Reel	Order Code	Price Per Reel
Colour		
Brown	268-770	
Continuous Length in 1m Multiples		
Brown	385-5429	

CTF100 Coax Cable



- Conductor: Solid Soft Annealed Copper
- Dielectric: Gas injected LDPE
- Shield: Annealed Copper
- Jacket: PVC according to the European Standard HD 624

Coaxial cables used in cable distribution networks designed according to the European Standard EN 50117-2-1 and EN 50117-2-4 operating at frequencies between 5 MHz and 3000 MHz.

Nominal outside diameter 6.65mm Attenuation per 100m 4.6dB @ 50MHz Capacitance 55pF/m

508254

Reel Size	Order Code	Price Per Reel
100m	157-7829	

Twinax - Computer & Instrumentation Cable



- 22 AWG stranded (19x34 tinned copper conductors)
- Conductor: Tinned Copper
- Insulation: Datalene® FHDPE
- Shield: Duofoil®
- Jacket: PVC

Nominal outside diameter 8.76mm Attenuation per 100ft 4.3dB @ 100MHz, 6.2dB @ 200MHz, 8.8dB @ 400MHz Capacitance 16.5pF/ft Operating temperature -20°C to +60°C Velocity of propagation 78%

550692

Reel Size	Order Code	Price Per Reel
152.4m	176-9496	

Audio Cable

Extra Flexible OFC Transparent Speaker Cable



A high quality, very flexible transparent speaker cable that is ideal for car stereo, home Hi-Fi and general purpose audio applications. The cable is constructed using extra soft, low contamination PVC and 99.999% Oxygen Free Copper (OFC) to ensure high precision transmission and a very long operating life. The cores are laid side by side in a figure of 8 construction and are insulated using a transparent PVC sheath. A continuous black line indicates polarity.

Conductors 105 x 0.11mm OFC Bare Copper Strands
Sheath Transparent PVC
Size 2 x 1.00mm
Reel Length 100m

254822/523240

Order Code	Price Per Reel
164-7844	

OFC Screened Audio Connection Cable



High quality, single core audio connecting cable which provides quality transmission of low frequency audio signal between audio equipment. The cable is constructed using 99.999% OFC conductors and screen thus enabling signal distortion, resistance and interference to be kept to a minimum.

Conductors 1 x (10x 0.12mm) OFC Colour Grey
Screen 26 x 0.10mm OFC Sheath PVC
O/D 1.60mm Reel Length 100m

254813/523238

Order Code

164-7845

Price Per Reel

Flexible OFC Transparent Audio Cable



- General purpose figure 8 audio cable
- Oxygen Free Copper (OFC) bare copper strands
- 99.999% pure copper
- Conductors: 1x tinned copper and 1x bare copper
- Very flexible PVC jacket
- Suitable for home cinema and Hi-Fi systems

Conductors 2 x 0.75mm²
Inner conductors 24 x 0.20mm
Outer diameter 2x 2.5mm
Reel Length 100m

276594/523244

Price Per Reel

Order Code

164-7847

Audio Speaker OFC Cable



- High quality Oxygen Free Copper speaker cable
- Micro fine strands offering excellent flexibility
- Insulated with a transparent PVC sheath
- Coloured stripe on one core

Conductors 2 x 1.5mm² Outer diameter 3.1 x 6.5mm
Inner conductors 189 x 0.10mm Reel Length 50m

381220/523248

Price Per Reel

Order Code

164-7858

Figure 8 Speaker Cable



PVC insulated, plain annealed copper cable, laid side by side in a flat figure of 8 construction with markings to indicate polarity. The range is available in a variety of sizes and is supplied in 100m reels.

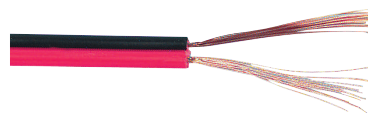


Conductor Make-up	Nominal Dimensions	Conductor Area	DC Resistance
13/0.20mm	4.0 x 2.0mm	0.41mm ²	44Ω/km
42/0.20mm	6.0 x 3.0mm	1.32mm ²	13.6Ω/km
7/0.20mm	3.8 x 1.9mm	0.22mm ²	81.6Ω/km

538312

Conductor Make-up	Colour	Order Code	Price Per Reel
13 / 0.2mm	Grey	171-7973	
13 / 0.2mm	Black	171-7974	
42 / 0.2mm	White	171-7975	
7 / 0.2mm	White	171-7976	

Figure-8 Car Audio Cable



A general purpose figure of 8 cable that is ideal for the connection of audio equipment, amplifiers and auxiliary equipment. The cable has plain copper conductors and is available in two different sizes with a Red and Black PVC outer sheath. Supplied in 100m reels.

Conductor Make-up	Dimensions	Nominal Rating	Conductor Area
14/0.20mm	5.4 x 2.7mm	3 Amp	0.44mm ²
20/0.20mm	5.6 x 2.8mm	6 Amp	0.63mm ²
28/0.20mm	6.0 x 3.0mm	10 Amp	0.88mm ²
44/0.20mm	6.6 x 3.3mm	15 Amp	1.39mm ²
75/0.20mm	7.6 x 3.8mm	20 Amp	2.36mm ²

538301

Current Rating	Order Code	Price Per Reel
3A	171-7977	
6A	171-7978	
10A	171-7979	
15A	171-7980	
20A	171-7981	

Loudspeaker Cable



- Conductor: Copper
- Jacket: PVC
- Figure 8 audio cable
- Single round cable for easy routing and installation

523737

CSA	Dimensions	Order Code	Price Per Reel
0.5mm ²	2.3 x 4.6mm	164-3749	
0.75mm ²	2.6 x 5.2mm	164-3750	
1.5mm ²	3.1 x 6.2mm	164-3751	
2.5mm ²	3.8 x 7.6mm	164-3752	

Professional Speaker Cable



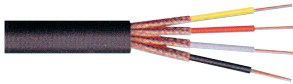
- 99.999% Oxygen Free Copper conductors
- Flexible Blue PVC Jacket

Construction 102 / 0.12mm Nom. Outside diameter 4 x 8 mm

232635

100m Reel	Price Per Reel
Colour	Order Code
Blue	389-4721

Individually Screened 4 Core 7/0.1mm



- Four core individually screened audio cable
- Minimal crosstalk
- Ideal for general audio connections
- Sheathed overall in Black PVC

Construction 7 / 0.1mm Nom. Outside diameter 4.5mm
CSA 0.05mm²

232637

100m Reel	Price Per Reel
Colour	Order Code
Black	389-4745

Miniature Single Pair



Cut Lengths Available

- Suitable for sound systems, broadcasting, audio and instrumentation applications
- Tinned copper wire conductors
- Overall sheathed in PVC
- UL 2092 recognised

Type No.	No. of Pairs	AWG	Construction	Nominal Capacitance/metre (pF/m) Conductor	Shield	Overall Dia. (mm)
8760	1	18	16 / 30AWG	79	144	5.64
8761	1	22	7 / 30AWG	79	154	4.45
8762	1	20	7 / 28AWG	89	161	5.18

208179

Belden No.	Reel Length	Order Code
8760	152.4m	118-2145
8761	152.4m	761-278
8762	152.4m	118-2143
Continuous Length in 1m Multiples		
8762		121-8690

8451 - Brilliance™ Miniature Shielded Twisted Pair



Black and Red polypropylene insulated twisted pair of 22AWG (7/30AWG) tinned stranded copper conductors. Shielded in Beldfoil® aluminium/polyester foil with integral drain wire. Paper wrapped and sheathed overall in Black PVC. Occupies 50% less space than standard cables, ideally suitable for internal wiring in audio applications.

Nominal outside diameter 3.43mm Capacitance 111pF/m core to core
Max. working voltage 300V rms 220pF/m core to screen

Note: Reel length with U-prefix indicates supplied in UnReel® dispenser box.

208079

Belden No.	Boxed Reel Length	Order Code	Price Per Reel
8451	U-30.48m	118-2118	
	U-152.4m	118-2101	
	U-304.8m	118-2102	

GAC-4/1 Star Quad 4 Core 'Reussen Shield' Screen



- Microphone interconnect cable, designed specifically to minimise noisy electrical environments
- 4-core: White, Ivory, Pink and Red 96/0.05mm (0.19mm²) copper wire

- Quad construction
- Wrapped overall in viscose fibre
- Sheathed overall in ultra flexible velvet Black PVC

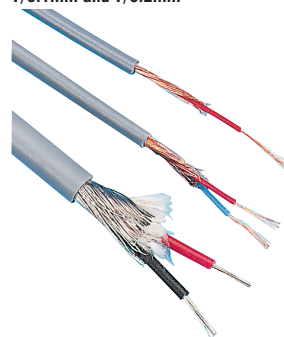
Nominal outside diameter 5.4mm Capacitance 65pF core to core
Impedance at 10Khz 180Ω 105pF core to shield
Conductor resistance 108Ω/km max. Test voltage 500V eff. core to core
Shield resistance 20Ω/km max. 2000V eff. core to screen

Mfrs. List No. GAC 4/1 Black

224062

Order Code	Price Per Coil/Reel
5m Coil 120-1948	
10m Coil 120-1949	
100m Reel 120-1950	

Single Round, Twin-Oval and Twin-Twisted Pair Round 7/0.1mm and 7/0.2mm



- PVC insulated 7/0.1mm or 7/0.2mm plain stranded copper conductors
- Twin oval: conductors side by side
- Twin round: conductors twisted for hum reduction
- Grey PVC sheathed overall

Single Round Conductor Size	Nominal Outside Dia.	Capacitance/metre Core/screen	Insulation Colour	Order Code
7 / 0.1mm	2mm	360pF	Red	120-2691
7 / 0.2mm	3.1mm	320pF	Blue	120-2692

Twin Oval Conductor Size	Nominal Dimensions	Capacitance/metre Core/Core	Core/screen	Insulation Colour	Order Code
7 / 0.1mm	2.8 x 2 mm	180pF	330pF	Red, Blue	120-2693
7 / 0.2mm	4.7 x 3.1 mm	170pF	310pF	Red, Blue	120-2694

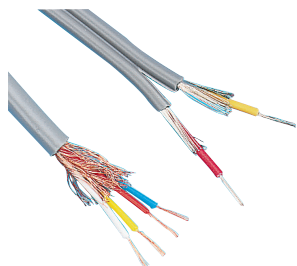
Twin Twisted Pair Round Conductor Size	Nominal Outside Dia.	Capacitance/metre Core/core	Core/screen	Insulation Colour	Order Code
7 / 0.2mm	4.8mm	120pF/m	215pF/m	Red, Black	120-2695

100m Reel	Price Per Reel
Conductor Size	Order Code
Single Round	
7 / 0.1mm	120-2691
7 / 0.2mm	120-2692
Twin Oval	
7 / 0.1mm	120-2693
7 / 0.2mm	120-2694
Twin Twisted Pair Round	
7 / 0.2mm	120-2695

208292

Audio Cable - continued

Twin 'Figure-8' and 4-Core 7/0.1mm, 10/0.1mm and 7/0.2mm



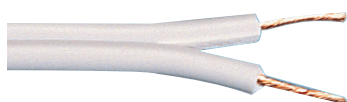
- PVC insulated 10/0.1mm or 7/0.2mm plain stranded copper conductors
- Individually screened
- Grey PVC sheathed overall

Conductor Size	Nominal Dimensions	Capacitance/metre Core/screen	Insulation Colours	Order Code
10 / 0.1mm	4.3 X 2.1mm	350pF	Red, Blue	120-2696
7 / 0.2mm	5.9 X 2.8mm	320pF	Red, Yellow	120-2697

100m Reel		Price Per Reel
Conductor Size	Order Code	
Twin 'Figure 8' 10 / 0.1mm	120-2696	
7 / 0.2mm	120-2697	

208293

2812X Figure-8 Twin



- Plain annealed copper conductor in a flat figure 8 construction and PVC insulated with one core ribbed for identification.
- Conforms to **BS6500**, harmonised code **H03VH-H**.

Nominal overall dimensions	3A 2.8x5.5mm, 6A 3x5.9mm	Nominal wall thickness	0.8
Max. operating temperature	+70°C	Voltage rating	300/300V

208119

100m Reel		Order Code	Price Per Reel
3A 0.5mm ² (28/0.15)	Black	121-9368	
	White	121-9369	
6A 0.75mm ² (42/0.15)	Black	121-9370	
	White	121-9371	

Twin Figure 8 Speaker Cable



- PVC insulated plain annealed copper
- Laid in a flat figure of 8 construction with markings to indicate polarity

Conductor Area	Conductor Size	Current Rating	Nominal Dimensions (mm)
0.22mm ²	7 / 0.2mm	1A	4 x 2
0.41mm ²	13 / 0.2mm	2.5A	4.3 x 2.3
0.68mm ²	24 / 0.2mm	5A	4.6 x 2.3
1mm ²	32 / 0.2mm	10A	6 x 3
2.5mm ²	79 / 0.2mm	20A	6.6 x 3.3

232146

100m Reels			Price Per Reel
Conductor Size	Colour	Order Code	
7 / 0.2mm	Grey	173-5204	
7 / 0.2mm	Black	173-5205	
13 / 0.2mm	Black Ribbed	173-5207	
24 / 0.2mm	White	173-5208	
32 / 0.2mm	White	173-5209	
79 / 0.2mm	White	173-5210	
79 / 0.2mm	Black	173-5211	
79 / 0.2mm	Black Ribbed	173-5212	

1000m Reels		
Conductor Size	Colour	Order Code
13 / 0.2mm	Grey	173-5206

7/0.25mm (0.34mm²)



- Plain copper wire in a figure '8' PVC insulation with one core ribbed for identification.
- | | | | |
|--------------------|-------------|------------------------|-------|
| Overall dimensions | 2.1 x 4.2mm | Maximum temperature | +70°C |
| Voltage rating | 60V rms | Nominal wall thickness | 0.6mm |
| Current rating | 1A | | |

208212

100m Reel		Price Per Reel
Colour	Order Code	
Black	121-9365	
Grey	121-9366	
White	121-9367	

Blue Series Balanced Audio



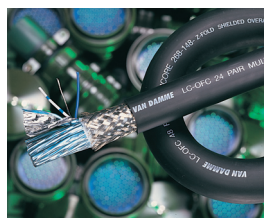
- High purity Oxygen Free Copper conductor 28 x 0.10mm (0.22mm²) 24AWG
- Individual cores are pre-sheathed in PVC, colour coded and numbered
- Eliminates the need to heatshrink, number and continually test conductors
- Reduces preparation and termination time
- Tough, flexible and easy to use
- Pairs cabled with flexible fillers and talc lubricant

Pair insulation:	Cross linked polyethylene (XLPE) 1.00mm diameter
Screen:	Aluminium polyester foil tape
Drain wire:	19/0.12mm (0.22mm ²) 24AWG tinned oxygen free copper
Pair sheath:	2.70mm dia.
Overall sheath:	Abrasion resistant PVC composite
Temp. range:	-25°C to +70°C
Conductor resistance:	0.085Ω/km max.
Voltage rating:	250V
Inductance:	0.5μH/m per metre

208197

Continuous length in 1m Multiples		Price Per Metre
No. of Pairs	Order Code	
2	136-440	
4	798-459	
8	798-460	
16	798-484	
24	798-496	

Black Series Balanced Audio



- Four grade multicore to handle tough and demanding applications
- Conductors have a mylar aluminium/polyester Z-fold screen
- Screen designed to overlap on each conductor to give 150% protection for each pair
- Prevents screen unravelling thus avoids shorting between adjacent earths
- Pairs cabled with flexible fillers and cloth holding tape
- Oxygen Free Copper multicore

Pair conductor:	28/0.01mm (0.22mm ²) 24 AWG plain Oxygen Free Copper
Pair insulation:	Cross linked polyethylene (XLPE) - 1.2mm diameter
Overall screen:	Tinned copper braid - 90% optical coverage
Drain wire:	19/0.12mm (0.22mm ²) 24AWG tinned Oxygen Free Copper
Overall sheath:	Abrasion resistant, PVC composite
Temp. range:	-25°C to +70°C
Conductor resistance:	85Ω/km max.
Capacitance:	<70pF/m core to core <125pF/m core to core + screen
Voltage rating:	250V
Inductance:	0.45μH/m per metre

208198

Continuous length in 1m Multiples		Price Per Metre
No. of Pairs	Order Code	
8	798-400	

Starquad Microphone



- Multipurpose four-core heavy duty microphone cable
- Designed to combat high interference levels in hostile environments
- Low noise Oxygen Free Copper conductors 40/0.10mm (0.21mm²) 24AWG
- Dense tightly woven tinned Oxygen Free Copper braid screening. 98% coverage 128/0.10mm.
- Natural cotton fillers and a paper separator to reduce electrostatic build up

- Flexible and easy to handle even at sub-zero temperatures
- PVC/neoprene composite non-reflective sheath
- Quick and easy preparation and termination

Over 500 000 products available online

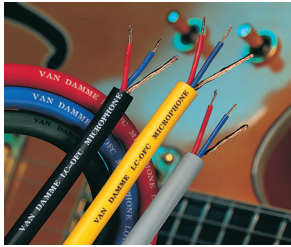


Pair insulation: Cross linked polyethylene (XLPE)
 Capacitance: <90pF/metre core to core
 <195pF/metre core to screen

Voltage rating: 250V
 Nominal outside diameter: 6mm
 208201

100m Reel	Order Code	Price Per Reel/Metre
Black	798-228	
Blue	798-230	

Microphone



- Multipurpose twin core heavy duty microphone cable
- Low noise Oxygen Free Copper conductors 28/0.10mm (0.22mm²) 24AWG
- Flexible PVC/neoprene sheath
- Easy to handle even at sub-zero temperatures
- Dense spiral lap Oxygen Free Copper screening 80/0.10mm.
- Quick and easy preparation and termination

Pair insulation: Cross linked polyethylene (XLPE)
 Capacitance: <100pF/metre core to core
 <165pF/metre core to screen

Conductor Resistance: 84Ω/km max.
 Nominal outside diameter: 6.35mm
 208202

100m Reel	Order Code	Price Per Reel/Metre
Black	798-137	
Blue	798-149	
Red	798-150	

Balanced Patch



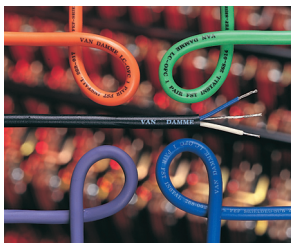
- Reduced diameter twisted pair cable designed specifically for patching
- Low noise Oxygen Free Copper conductors 28/0.10mm (0.22mm²) 24AWG
- Flexible and easy to handle even at sub-zero temperatures
- PVC/neoprene composite non-reflective sheath
- Dense tightly woven tinned copper braid screening 96/0.12mm - 95%
- Quick and easy preparation and termination

Pair insulation: Cross linked polyethylene (XLPE)
 Pair colours: Red, Green
 Temp. range: -25°C to +70°C

Voltage rating: 250V
 Conductor Resistance: 84Ω/km max.
 Nominal outside diameter: 4.85mm ±0.10mm
 208203

100m Reel	Order Code	Price Per Reel/Metre
Black	798-551	
Blue	798-563	
Red	798-575	
Grey	798-599	
Red	385-5650	

One Pair Installation.



- Designed for fixed wiring audio installation purposes
- Used by the majority of Europe's top recording studios
- Reduced overall diameter with superb electrical performance
- Foil screen bonded to outer sheath, both can be removed in one action
- Low noise Oxygen Free Copper conductors 7/0.20mm (0.22mm²) 24AWG
- Ideal for cable forming when wiring patch panels
- Abrasion resistant, anti-kink PVC sheath

Pair insulation: Cross linked polyethylene (XLPE)
 Screen: foil tape
 Drain wire: 7/0.2 OFC(0.22mm²)
 Temp. range: -25°C to +70°C
 Capacitance: <90pF/m core to core
 <189pF/m core to screen

Conductor Resistance: 78Ω/km max.
 Voltage rating: 250V
 Nominal outside diameter: 3.5mm ±0.10mm
 208204

100m Reel	Order Code	Price Per Reel/Metre
Black	798-289	
Blue	798-307	
Red	798-320	
Green	798-344	
Orange	798-381	

500m Reel	Order Code	Price Per Reel/Metre
Black	798-290	

Musical Instrument Cable



- Single core screened cable for musical instrument connection
- Low noise Oxygen Free Copper conductors 7/0.20mm (0.22mm²) 24AWG
- Flexible and easy to handle even at sub-zero temperatures
- PVC/neoprene composite non-reflective sheath
- Dense tightly woven tinned Oxygen Free Copper braid screening 80/0.10mm

● Additional tubed thermoplastic carbon screen
 ● Cable construction gives totally silent performance

Insulation: PEF1.2mm dia.
 Conductor resistance: 78Ω/km max.
 Screen resistance: 33Ω/km max.

Capacitance: <110pF/m
 Voltage rating: 250V
 Nom. outside dia.: 6mm±0.15mm
 208192

100m Reel	Order Code	Price Per Reel/Metre
Black	798-198	
Blue	798-204	

Phono Patch Cable



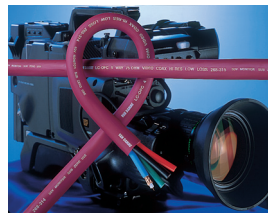
- For use with connectors with small cable entry e.g. phono, jacks
- Low noise Oxygen Free Copper conductors 7/0.20mm (0.22mm²) 24AWG
- Flexible and easy to handle even at sub-zero temperatures
- Abrasion resistant anti-kink PVC/neoprene sheath

Insulation: Foamed polyethylene 1.20mm diameter
 Screen 1: Tubed thermoplastic conductive carbon
 Screen 2: 80/0.10mm close lap spiral Oxygen Free Copper
 Temp. Range: -25°C to +70°C
 Screen resistance: 33Ω/km max.
 Voltage rating: 250V

Conductor Resistance: 78Ω/km max.
 Capacitance: <110pF/metre
 Nom. outside dia.: 4.8mm±0.10mm
 208193

100m Reel	Order Code	Price Per Reel/Metre
Black	798-253	

Red Series OFC Video Coaxial Multicore 75Ω 4 and 5 Core



- Multicore versions of single OFC video coaxial
- Designed for RGB and sync. signal transmission
- Very low loss for extended distance (up to 300m)
- Suitable for signals up to 300MHz
- Flexible PVC/Neoprene antistatic composite sheath

Nom. Outside diameter 17mm (4 core)
 18.7mm (5 core)
 Sheath colour Red (RAL 3004)
 Core colours Red, Green, Blue, Black(4 core)
 Red, Green, Blue, Black, Cream(5 core)

Capacitance 67pF/m
 Return loss ratio dB
 Weight 0.35kg/100m (4 core)
 0.35kg/100m (5 core)
 208297

Continuous Length in 1m Multiples	No. of cores	Order Code	Price Per Metre
	4	135-227	
	5	135-239	

Audio Cable - continued

Digital Audio Installation Cable - 1 Pair



- Stranded, small diameter designed for patch panel and rack wiring, for digital audio signals
- Low capacitance figures (<38pF/m core to core, <78pF/m core to screen)

- 110Ω impedance
- Foamed polyolefin insulation
- Flexible PVC sheath
- Recommended for MIDI and time code purposes

Pair conductor: 7 / 0.2mm (0.22mm²) 24AWG plain copper
 Screen: Aluminium Polyester bonded tape
 Drain Wire: 7/0.20mm (0.22mm²) 24AWG tinned copper
 Attenuation (100M): 2.156dB @ 1 MHz, dB @ 4 MHz, dB @ 10 MHz, dB @ 16 MHz, dB @ 20 MHz, 4.347dB
 Temp. range: -20°C to +70°C
 Voltage rating: 250V
 Nominal Outside Dia.: 3.9mm

208190

Reel Length	Order Code
100m	798-721
500m	798-733

Ribbon Cable

Flat Flexible Cable

0.5mm, 1.0mm and 1.25mm Pitch

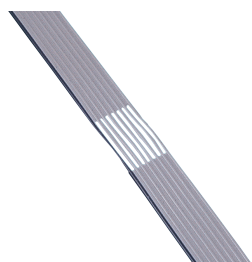


- Flat flexible cable for use with FFC/FCP range of connectors
- Reinforcing tape bonded to underside for cable to ensure easy and accurate insertion into the connector
- Overall length 210mm

Insulation Material: Polyester (Flame Resistant) Max operating temperature: 80°C
 209525

No. of Ways	Order Code	Price Each
0.5mm Pitch		
10	145-5401	
14	145-5402	
16	145-5403	
20	145-5404	
24	145-5405	
30	145-5406	
35	145-5407	
40	145-5408	
45	145-5409	
50	145-5410	
1mm Pitch		
10	145-5411	
14	145-5413	
16	145-5415	
20	145-5416	
26	145-5417	
30	145-5418	
1.25mm Pitch		
4	145-5419	
6	145-5420	
8	145-5421	
10	145-5422	
14	145-5423	
16	145-5425	
20	145-5426	

0.1" Pitch IDT Notched Ribbon Cable



Single 25mm notch 152.4mm (6") between notching

7307 — 28 AWG 0.5A

Cable size: 0.086mm² stranded (7/36 AWG) Connector: 7720S - Colour code (Brown)
 Colour: Grey
 Mftrs. List No.: 888-xx-0016 where xx = number of ways

No. of Ways	Order Code	Price Per 5' Coil	No. of Ways	Order Code	Price Per 30.5m Reel
3	131-3462		3	131-3396	
4	131-3463		4	131-3397	
5	131-3464		5	131-3398	
6	131-3465		6	131-3399	
8	131-3466		8	131-3401	
10	131-3467		10	131-3402	
12	131-3468		12	131-3403	

7234 — 26 AWG 1.4A

Cable size: 0.124mm² solid (1/26 AWG) Connector: 7720S - Colour code (Green)
 Colour: Light Grey
 Mftrs. List No.: 882-xx-0016 where xx = number of ways

No. of Ways	Order Code	Price Per 5' Coil	No. of Ways	Order Code	Price Per 30.5m Reel
6	131-3458		6	131-3392	
8	131-3461		8	131-3394	

Edge Bonded

7/0.2mm (0.22mm²), 16/0.2mm (0.5mm²)



- Colour coded PVC insulated 7/0.2mm (0.22mm²) or 16/0.2mm (0.5mm²) tinned copper conductors
- Edge bonded to form a neat and convenient ribbon cable which can be easily separated for discrete wiring
- Available in 10, 20 or 30 way versions

Max. operating temperature	70°C			Voltage rating	300V rms	Current rating
Conductor Size	Conductor Area	Width (mm)	Thickness	Capacitance core/core	@ 25°C	
7/0.2mm	0.22mm ²	14.0 28.0	1.55mm	50pF/m	2A	
16/0.2mm	0.5mm ²	15.5 31.0	—	65pF/m	4A	

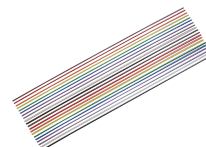
Colour Code Sequence: Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White.

Note: Not suitable for use with IDC connector system.

No. of Ways	Reel Length	Order Code	Price Per Reel
7/0.2mm			
10	10m	120-2508	
10	25m	120-2511	
10	50m	120-2513	
20	10m	120-2514	
20	25m	120-2515	
20	50m	120-2516	
30	10m	120-2517	
16/0.2mm			
10	25m	120-2518	
20	25m	120-2519	
20	50m	120-2520	

Colour Coded - IDC

3C Planar Cable



- Low cost cable designed for IDC termination
- Double contour allows either side termination
- Colour coded for conductor recognition



Series	Pitch	Current rating	Wire gauge	Capacitance	Impedance
135-2406	2.54mm	2.1A	24AWG, 7/32AWG, Tinned Copper	11.7pF/ft @ 1MHz	120ohm
135-2607	2.54mm	1.7A	26AWG, 7/34AWG, Tinned Copper	10pF/ft @ 1MHz	140ohm
135-2605	1.27mm	1.7A	26AWG, 7/34AWG, Tinned Copper	16pF/ft @ 1MHz	90ohm
Voltage rating		300V	Insulation resistance		100Gohm - 10 ft. Min.
Temperature rating		105°C			

Mftrs. List No. 135-2406-3xx, 135-2607-3xx and 135-2605-3xx where xx = No. of conductors

450390

Continuous Length in 1m Multiples			30.5m Reel	Price Per Reel
Conductors	Order Code	Price Per m	Order Code	
135-2406 Series				
4	130-1021		130-0955	
6	130-1022		130-0956	
8	130-1023		130-0958	
10	130-1024		130-0959	
14	130-1026		130-0961	
16	130-1027		130-0962	
135-2607 Series				
6	130-1030		130-0965	
8	130-1031		130-0966	
10	130-1033		130-0967	
12	130-1034		130-0968	
14	130-1035		130-0971	
16	130-1036		130-0972	
20	130-1037		130-0973	
135-2605 Series				
16	130-1039		130-0975	
20	130-1040		130-0976	
34	130-1042		130-0978	
40	130-1043		130-0979	
50	130-1045		130-0980	
64	130-1047		130-0983	

2.54mm (0.1") Fixed Pitch Extruded 7/0.203mm (0.23mm²)



- Tinned copper conductors in coloured extruded flexible PVC sheath
- Ideal for interconnections involving repeated or continuous flexing.

Conductors	7/0.203mm ²⁴ AWG	Nominal current rating	1.4A
Voltage rating	300V	PVC radial thickness	0.3mm
Operating temperature	70°C	Nominal Conductor area	0.22mm ²

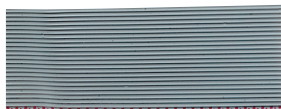
Colour Code Sequence: Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White, Black.

208380

Continuous length in 5m Multiples			50m Reel	
Conductors	Order Code	Price Per m	Order Code	Price Per Reel
4	150-431	5-50	150-427	
6	150-432		150-428	
8	150-433		150-429	
10	150-434		150-430	

Note: Cut lengths must be ordered in 5m multiples e.g. 5m, 10m, 15m

Grey 1.27mm (0.05") Pitch



- Manufactured in VW-1 flame retardant Grey PVC sleeving
- The first conductor is identified by a Red leading edge

Wire gauge	28AWG stranded 7/0.127mm tinned copper	Impedance	100Ω
Temperature rating	105°C	Capacitance	45pF/m
Voltage rating	300V	Inductance	1.45μH/m
Propagation delay	4.2ns/m	Insulation resistance	1GΩ/m
		Conductor resistance	237Ω/km

246415

30.5m Reels Conductors	Order Code	Price Per Reel
8	918-7111	
9	918-7120	
10	918-7138	
14	918-7146	
15	918-7154	
16	918-7162	
20	918-7170	
24	918-7189	
25	918-7197	
26	918-7200	
34	918-7219	
36	918-7227	
37	918-7235	
40	918-7243	
50	918-7251	
60	918-7260	
64	918-7278	

High Flex Life 1.27mm (0.05")



- Manufactured from Grey PVC with plain copper conductors
- Flex life of 20 million cycles
- **UL style 2651**



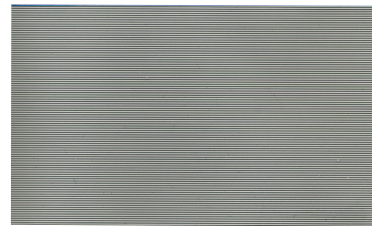
Wire gauge	28AWG (19/40AWG) stranded	Capacitance	46pF/m
Temperature rating	105°C	Inductance	0.51μH/m
Voltage rating	300V rms	Insulation resistance	10 ¹⁰ Ω
Impedance	100Ω	Colour	Grey
Velocity of propagation	4.53ns/m		

Mftrs. List No. (185-xx) where xx = No. of conductors

239325

Continuous Length in 1m Multiples		Price Per m	30.5m Reel	
Conductors	Order Code		Order Code	Price Per Reel
10	414-6013		414-5872	
20	414-6037		414-5896	

Round Conductor Flat Cable 0.64mm (0.025") Pitch



- Close spacing permits higher signal density
- TPE insulation provides excellent transmission properties
- 30 AWG (0.254) Tinned solid copper conductors
- Zippable for branching or discrete termination
- Meets SCSI-3 Fast-20 characteristic impedance requirements
- **UL recognised (Style 20297)**

Wire gauge	30AWG stranded	Capacitance	54.1pF/m*
Temperature rating	-40 to 105°C	Inductance	0.43μH/m*
Voltage rating	<50V	Insulation resistance	>1 x 10 ¹⁰ Ω/10ft (3m)
Current rating	1A	Colour	Grey
Impedance	90Ω*		

* unbalanced, measured between ground-signal-ground conductors.

Mftrs. List No. 3749 + No. of Conductors

382241

Continuous Length in 1m Multiples		Price Per m	30.5m Reel	
Conductors	Order Code		Order Code	Price Per Reel
20	120-7757▲		120-7749▲	
40	120-7759▲		120-7752▲	
50	120-7760▲		120-7753▲	
100	120-7762▲		120-7755▲	

Medium Flex Life 1.27mm (0.05") Pitch



- **UL recognised (Style 2651)** manufactured in VW-1 flame retardant Grey PVC insulation
- Tinned stranded copper conductors
- Flex life of 10 million cycles at 1 3/4 inch diameter



- 19 strands of tinned copper provide extended flex life for dynamic applications

Wire gauge	28AWG (19/40AWG) tinned stranded	Capacitance	43.8pF/m
Temperature rating	-20°C to 105°C	Inductance	0.49μH/m
Voltage rating	300V	Propagation delay	4.66ns/m
Impedance	106Ω	Velocity of propagation	72%
		Colour	Grey

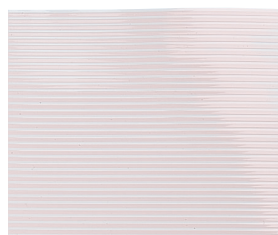
Mftrs. List No. 3539 + No. of Conductors

239333

Continuous Length in 1m Multiples		Price Per m	30.5m Reel	
Conductors	Order Code		Order Code	Price Per Reel
10	414-1155		414-0709	
20	414-1180		414-0734	
40	414-1210		414-0760	

Ribbon Cable - continued

Clear 2.54mm (0.1") Pitch



- Flat plain copper conductors encased in a highly flexible polyester/PVC material
- Rugged but flexible cable can be cut down from 34 ways as required
- Ideal for use where space is limited and high flexibility and reliability is required
- Suitable for use with Berg Clincher connectors: see **Connectors - IDC Section**

3.05m Reel		Price Per Reel
No. of Ways	Order Code	
34	120-2507	

208347

Grey 0.64mm (0.025") Pitch



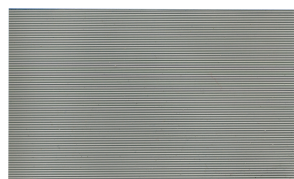
- **UL recognised (Style 2678)**, Flame retardant PVC insulated jacket
- The first conductor is identified by a Red leading edge.

Wire gauge	30AWG solid	Impedance	80Ω
Temperature rating	-20°C to +105°C	Colour	Grey
Voltage rating	150V		

208247

30.5m Reels		Price Per Reel
Conductors	Mftrs. List No.	Order Code
26	2-57013-5	117-4562

Grey 0.635mm (0.025") Pitch



The 0.635mm (0.025") grey PVC insulation flat ribbon cable is used with 3M P25E 1.27mm (0.050") sockets, 82xxx-600xx sockets and all other cable mounted connectors on 1.27mm pitch. 30AWG stranded conductors provides flexibility and extended life. The cable is zippable for branching or discrete termination.

- Conductor counts 50, 60, 80 and 100 ways to match P25E socket offering
- Grey PVC insulation
- 30AWG stranded conductors
- Use with P25E and 82xxx-600xx 2.54mm x 2.54mm (0.100") sockets

Wire gauge	30AWG 7/38AWGTinned Copper	Capacitance	12pF/ft
Temperature rating	-20°C to 105°C	Inductance	0.59μH/m
Voltage rating	50V	Propagation delay	4.76ns/m
Impedance	122Ω	Velocity of propagation	70%
		Colour	Grey

Mftrs. List No. (3754/xx) where xx = No. of conductors

481460

Continuous Length in 1m Multiples		Price Per m	91.5m Reel	
Conductors	Order Code		Order Code	Price Per Reel
50	144-0122		143-6552	
60	144-0124		143-6553	
80	144-0125		143-6554	
100	144-0126		143-6555	

Grey 1.27mm (0.05") Pitch



- **UL recognised (Style 2651)**, manufactured in **VW-1** flame retardant PVC insulation
- The first conductor is identified by a Red leading edge

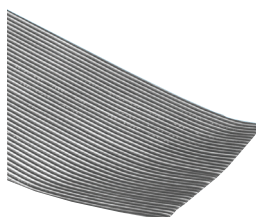
Mftrs. List No. 3365 + No. of Ways

Wire gauge	28AWG stranded 7/36AWG tinned copper	Capacitance	42pF/m
Temperature rating	105°C	Inductance	0.49μH/m
Voltage rating	300V	Insulation resistance	10 ¹⁰ Ω
Impedance	108	Colour	Grey

208383

Continuous Length in 1m Multiples	Price	30.5m Reel	Price Per Reel
Conductors	Order Code	Order Code	
9	297-276	296-790	
10	297-288	296-806	
14	297-290	296-818	
15	297-306	296-820	
16	297-318	296-831	
20	297-320	296-843	
25	297-331	296-855	
26	297-343	296-867	
30	860-6480	860-6404	
34	297-355	296-879	
37	297-367	296-880	
40	297-379	296-892	
50	297-380	296-909	
60	297-392	296-910	
64	414-1039	414-0588	

Grey 2.54mm (0.1") Pitch



For use with 3M CHG 2.54mm sockets. 2.54mm (0.1") pitch designed for power applications requiring higher current carrying capability.

- Dark grey PVC insulation, light grey PVC carrier
- Individually insulated conductors are laminated to a PVC backing which can be zipped apart for branching or discrete terminations.
- Red marking on edge of cable denotes conductor no.1

Wire gauge	22AWG 7 x 30AWG / 7 x 0.254 Tinned Stranded Copper
Temperature rating	-20°C to 105°C
Voltage rating	300V
Impedance	119Ω
Capacitance	36.1pF/m
Inductance	0.49μH/m
Propagation delay	4.27ns/m
Velocity of propagation	78%

Mftrs. List No. (8124-xx) where xx = No. of conductors



510385

Continuous Length in 1m Multiples	Price	Price Per Reel	
Conductors	Order Code	Order Code	
16	160-4573	160-4550	
20	160-4574	160-4551	
26	160-4575	160-4552	
34	160-4576	160-4553	
40	160-4577	160-4554	

Halogen Free 1.27mm (0.05") Pitch



- **UL recognised (Style 20930)**, manufactured in low toxicity **VW-1** flame retardant **halogen-free** polyolefin insulation
- The first conductor is identified by a Red leading edge



Wire gauge	28AWG stranded 7/36AWG	Capacitance	26.95pF/m
Temperature rating	105°C	Inductance	0.84μH/m
Voltage rating	300V	Insulation resistance	10 ¹⁰ Ω
Impedance	107Ω	Colour	Off White

Mftrs. List No. 2010 + No. of Ways

224064

Continuous length in 1m Multiples	Price Per m	30.5m Reel	
Conductors	Order Code	Order Code	Price Per Reel
10	297-665	297-185	
20	297-690	297-215	
26	297-707	297-227	
34	297-719	297-239	
50	297-732	297-252	

Colour Coded 1.27mm (0.05") Pitch



- **UL recognised (Style 20462)**, manufactured in **VW-1** flame retardant PVC insulation
- Colour coded for easy wire identification



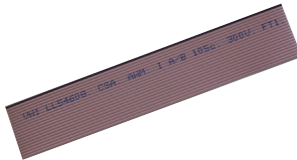
Capacitance	46.2pF/m	Insulation resistance	10 ¹⁰ Ω/10ft(3m)
Inductance	0.49μH/m	Colour	10 Colour Repeat
Wire gauge	28AWG 7/36AWG tinned copper	Impedance	105Ω
Temperature rating	80°C	Voltage rating	300V

Mftrs. List No. 3302 + No. of Ways

208384

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
9	120-7415		116-6714	
10	120-7417		119-7080	
14	120-7418		116-6716	
16	120-7419		116-6717	
20	120-7420		116-6718	
25	120-7421		116-6719	
26	120-7422		116-6720	
40	120-7423		119-7081	
50	120-7424		119-7082	
64	860-6811		860-6730	

Grey 1mm Pitch



- **UL recognised (Style 2651)**, manufactured in a flame retardant PVC sleeving
- The first conductor is identified by a Blue leading edge.
- **CSA approved**

Wire gauge	28AWG stranded 7/36AWG tinned copper	Impedance	83Ω
Temperature rating	-20°C to +105°C	Capacitance	60pF/m
Voltage rating	300V	Inductance	0.5μH/m
Current rating	1A nominal	Insulation resistance	10 ¹⁰ Ω

Mftrs. List No. (191-2815-0xx) where xx = No. of conductors

481365

Continuous Length in 1m Multiples		Price Per m	Reel Length (m)	Order Code	Price Per Reel
Conductors	Order Code				
10	144-0148		30.48	143-5822	
20	144-0149		30.48	143-5823	
34	144-0150		30.48	143-5824	
44	144-0151		91.4	NEW 179-4121	

Grey 1.27mm (0.05") Pitch



- **UL recognised (Style 2651)**
- Grey PVC insulation
- The first conductor is identified by a Red leading edge

Wire gauge	28AWG 7 / 36AWG	Impedance	105Ω
Temperature rating	-20°C to 105°C	Capacitance	45pF/m
Voltage rating	300V	Insulation Resistance	10000Mohm
		Propogation delay	4.76ns/m

609260

Continuous Length in 1m Multiples		Price Per m	Reel Length (m)	Order Code	Price Per Reel
Conductors	Order Code				
16	182-1231		30.5	182-1224	
20	182-1232		30.5	182-1225	
25	182-1233		30.5	182-1226	
26	182-1235		30.5	182-1227	
40	182-1236		30.5	182-1228	
50	182-1237		30.5	182-1229	
64	182-1238		30.5	182-1230	

Grey 1.27mm (0.05") Pitch



- **UL recognised (Style 2651)**, manufactured in a flame retardant PVC sleeving
- The first conductor is identified by a Red leading edge.
- **CSA approved**



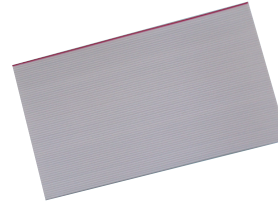
Wire gauge	28AWG stranded 7/36AWG tinned copper	Impedance	105Ω
Temperature rating	-20°C to +105°C	Capacitance	45.9pF/m
Voltage rating	300V	Inductance	0.59μH/m
Current rating	1A nominal	Insulation resistance	10 ¹⁰ Ω

Mftrs. List No. 191-280-1 + No. of Ways

208381

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
9	120-7434		117-0216	
10	120-7436		117-0217	
14	120-7437		117-0218	
15	120-7438		117-0219	
24	120-7442		117-0222	
34	120-7445		117-0226	
37	120-7446		117-0227	
60	120-7449		117-0230	

Grey 1.27mm (0.05") Pitch - Halogen Free



- Tinned stranded copper conductors
- The first conductor is identified by a Red leading edge
- Manufactured in Non-Halogenated Flame Retardant Polyolefin (Limiting Oxygen index 39%)

Wire gauge	28AWG stranded 7/36AWG tinned copper	Impedance	100Ω
Temperature rating	-40°C to +90°C	Capacitance	13pF/m
Voltage rating	300V	Inductance	0.17μH/ft
Current rating	1.3A	Insulation resistance	10 ¹⁰ Ω

Mftrs. List No. (193-2890-0xx) where xx = No. of conductors

481437

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
10	144-0161		143-5834	
20	144-0162		143-5835	
26	144-0163		143-5836	
34	144-0164		143-5837	
40	144-0165		143-5839	
50	144-0166		143-5841	

Colour Coded 1.27mm (0.05") Pitch



- **UL recognised (Style 20130)** manufactured in a flame retardant PVC sleeving
- Colour coding allows easy circuit tracing and routing
- **CSA approved**

Mftrs. List No. 135-2802-3 + No. of Ways

Wire gauge	28AWG stranded 7/36AWG tinned copper	Impedance	105Ω
Temperature rating	-20°C to +105°C	Capacitance	42.7pF/m
Voltage rating	300V	Inductance	0.59μH/m
Current rating	1A nominal	Insulation resistance	10 ¹⁰ Ω

208382

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
10	120-7451		117-0232	
14	120-7452		117-0233	
16	120-7454		117-0234	
20	120-7455		117-0236	
26	120-7456		117-0237	
34	120-7457		117-0238	
37	120-7458		117-0239	
40	120-7459		117-0240	
50	120-7460		117-0241	

Blue 1.27mm (0.05") Pitch



- **UL recognised (Style 2651)** for internal wiring of electronic computer and business machines
- First conductor is identified by a Blue leading edge.



Ribbon Cable - continued

Blue 1.27mm (0.05") Pitch - continued

Wire gauge	28AWG stranded	Capacitance	45.9pF/m
Temperature rating	105°C	Inductance	0.46µH/m
Voltage rating	300V	Insulation resistance	10 ¹⁰ Ω
Impedance	100Ω	Colour	Light Blue
Current rating	1A		

Mftrs. List No. (171-xxG) where xx = No. of conductors

208386

Continuous Length in 1m Multiples		Price	30.5m Reel		Price Per Reel
Conductors	Order Code	Per m	Order Code		
9	301-887		302-053		
10	301-899		302-065		
16	301-929		302-090		
20	301-930		302-107		
25	301-954		302-120		
26	301-966		302-132		
34	301-980		302-156		
50	302-028		302-193		
60	302-030		302-200		

Colour Coded 1.27mm (0.05") Pitch



- UL recognised (Style 20067) for internal wiring of electronic computer and business machines
- The cable is colour coded allowing quick and easy identification for harness break-outs and as a polarity check.



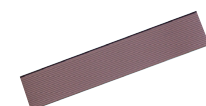
Wire gauge	28AWG stranded	Impedance	100Ω
Temperature rating	105°C	Capacitance	45.9pF/m
Voltage rating	300V	Inductance	0.46µH/m
Current rating	1A nominal	Insulation resistance	10 ¹⁰ Ω

Mftrs. List No. (201-xxG) where xx = No. of conductors

208387

Continuous Length in 1m Multiples		Price	30.5m Reel		Price Per Reel
Conductors	Order Code	Per m	Order Code		
10	302-223		302-351		
14	302-235		302-363		
20	302-260		302-399		
25	302-284		302-417		
26	302-296		302-429		

Grey 1.27mm (0.05") Pitch



- FEP insulation is compatible with most insulation displacement connectors
- 0.05 inch pitch parallel conductors for master termination
- Low dielectric constant
- Excellent abrasion and chemical resistance
- Excellent mechanical durability
- Non-flammable

Conductor size	28AWG	Capacitance	32.5pF/m
Temperature rating	-55°C to 200°C	Inductance	0.56µH/m
Voltage rating	300V	Velocity of propagation	79%
Impedance	131Ω		

Mftrs. List No. (3601/xx) where xx = No. of conductors

604530

Continuous Length in 1m Multiples		Price	30.5m Reel		Price Per Reel
Conductors	Order Code		Order Code		
10	179-7557		179-7531		
15	179-7558		179-7532		
20	179-7559		179-7533		
26	179-7560		179-7534		

Grey 1.27mm (0.05") Pitch



- 28 AWG wire on 0.05 inch centers permits mass terminations to a broad line of IDC connectors
- TPE insulation provides excellent transmission properties at a low cost
- Zippable for branching or discrete terminations

Conductor size	28AWG	Capacitance	38.4pF/m
Temperature rating	-40°C to 105°C	Inductance	0.52µH/m
Voltage rating	300V	Velocity of propagation	74%
Impedance	117Ω		

Mftrs. List No. (3355/xx) where xx = No. of conductors

604531

Continuous Length in 1m Multiples		Price	Price Per Reel	
Conductors	Order Code		Order Code	
10	179-7561		179-7535	
20	179-7562		179-7536	

Grey 1.27mm (0.05") Pitch



- 26 AWG wire allows for higher power levels
- Stranded wire provides flexibility and extended product life
- 0.05 inch centers permit mass termination to a broad line of IDC connectors
- Zippable for branching or discrete termination

Conductor size	26AWG	Capacitance	53.1pF/m
Temperature rating	-20°C to 105°C	Inductance	0.43µH/m
Voltage rating	300V	Velocity of propagation	71%
Impedance	89Ω		

Mftrs. List No. (3801/xx) where xx = No. of conductors

604532

Continuous Length in 1m Multiples		Price	Price Per Reel	
Conductors	Order Code		Order Code	
9	179-7563		179-7537	
10	179-7564		179-7538	
14	179-7565		179-7539	
16	179-7567		179-7540	
20	179-7568		179-7541	
25	179-7569		179-7543	
26	179-7570		179-7544	
34	179-7571		179-7545	
40	179-7572		179-7546	
50	179-7573		179-7547	
60	179-7574		179-7548	

Colour Coded 1.27mm (0.05") Pitch



- 0.05 inch centers permit mass termination to a broad line of IDC connectors
- 26 AWG wire allows for higher power levels
- Stranded wire provides flexibility and extended product life
- Zippable for branching or discrete termination
- Color coded for wire identification

Conductor size	26AWG	Capacitance	48.6pF/m
Temperature rating	-20°C to 105°C	Inductance	0.43µH/m
Voltage rating	300V	Velocity of propagation	72%
Impedance	95Ω		

Mftrs. List No. (3811/xx) where xx = No. of conductors

604533

Continuous Length in 1m Multiples		Price	Price Per Reel	
Conductors	Order Code		Order Code	
10	179-7575		179-7549	
16	179-7576		179-7550	
20	179-7577		179-7551	
26	179-7579		179-7552	
40	179-7581		179-7553	
50	179-7582		179-7555	
64	179-7583		179-7556	

High Flex Life (0.05") Pitch



- UL recognised (Style 2651), manufactured in VW-1 flame retardant Black PVC insulation
- The first conductor is identified by a red leading edge

- Flex life of 100 million cycles at 1¼ inch diameter
- Silver plated stranded copper alloy conductors

Wire gauge	28AWG stranded	Capacitance	43.6pF/m
Temperature rating	-20 to 105°C	Inductance	0.49µH/m
Voltage rating	300V	Insulation resistance	10 ¹⁰ Ω
Impedance	107Ω	Colour	Black

Mftrs. List No. 3319 + No. of Conductors

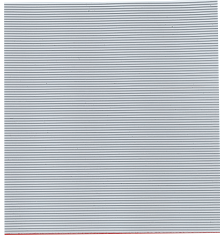
208338

Continuous length in 1m Multiples			30.5m Reel	
Conductors	Order Code	Price Per m	Order Code	Price Per Reel
10	120-7426		116-6721	
14	120-7427		116-6722	
16	120-7429		116-6723	
20	120-7431		116-6725	
24	120-7432		116-6726	

Over 500 000 products available online



Grey 0.033" Pitch



- **UL recognised Style 2651**, manufactured in Grey VW-1 flame retardant PVC insulation
- The first conductor is identified by a Red leading edge
- For use with 96 way DIN41612 connectors

Wire gauge	30AWG stranded
Temperature rating	-20°C to +105°C
Voltage rating	300V
Impedance	89Ω
Capacitance	57.4pF/m
Inductance	0.46μH/m
Insulation resistance	10 ¹⁰ Ω

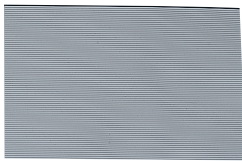


Mftrs. List No. 3849-96

219630

Continuous Length in 1m Multiples			30.5m Reel	Price Per Reel
No of ways	Order Code	Price Per m	Order Code	
96	333-2123		332-9987	

**Grey 0.64mm (0.025") Pitch
PVC - Solid Conductor**



- **UL recognised (Style 2678)** made in Grey PVC
- The conductor is identified by a Black leading edge



Wire gauge	30AWG bare solid conductor	Impedance	80Ω
Temperature rating	-20°C to +105°C	Capacitance	62.3pF/m
Voltage rating	150V	Inductance	0.49μH/m
Current rating	0.8A nominal	Insulation resistance	10 ¹⁰ Ω

Mftrs. List No. (191.3003.OXX) where xx = No. of Conductors

208339

Continuous Length in 1m Multiples			91.4m Reel	Price Per Reel
No. of Ways	Order Code	Price Per m	Order Code	
68	120-7472		NEW 180-3011	
80	120-7473		NEW 180-3012	

**Grey 0.64mm (0.025") Pitch
TPE - Solid Conductors**



- **UL recognised (Style 20647)**
- The first conductor is identified by a Red leading edge
- TPE Insulation improves the cables electrical performance and provides a faster signal speed than PVC



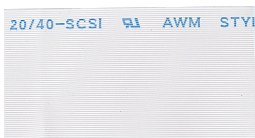
Wire gauge	30AWG bare solid conductor	Impedance	80Ω
Temperature rating	-20°C to +105°C	Capacitance	62.3pF/m
Voltage rating	150V	Inductance	0.46μH/m
Current rating	0.8A nominal	Insulation resistance	10 ¹⁰ Ω

Mftrs. List No. 193.3003.068

208342

Continuous Length in 1m Multiples			30.5m Reel	Price Per Reel
Conductors	Order Code	Price Per m	Order Code	
68	120-7470		117-0245	

**Grey 0.64mm (0.025") Pitch
TPE - Stranded Conductors**



- **UL recognised (style 20647)**
- The first conductor is identified by a Red leading edge
- TPE Insulation improves the cables electrical performance and provides a faster signal speed than PVC



Wire gauge	30AWG	Impedance	80Ω
Temperature rating	-20°C to +105°C	Capacitance	62.3pF/m
Voltage rating	150V	Inductance	0.46μH/m
Current rating	0.8A nominal	Insulation resistance	10 ¹⁰ Ω

Mftrs. List No. 193.3005.068

208341

Continuous Length in 1m Multiples			76.2m Reel	Price Per Reel
Conductors	Order Code	Price Per m	Order Code	
68	120-7471		NEW 179-4120	

Twist and Flat 1.27mm (0.05") Pitch



- **UL recognised**
- Highly flexible colour coded PVC insulation
- Double contour on flat section allows termination from either side of cable
- Easy conductor separation for circuit routing



Wire Gauge	28AWG 7/36AWG Tinned Copper	Current Rating	1A Nominal
Temperature Rating	105°C	Capacitance	49pF/m/m
Voltage Rating	300V	Insulation Resistance	10 ¹⁰ Ω
Impedance	100Ω	Cable construction	45.7cm (18") twisted, 5.1 cm (2") flat etc

Mftrs. List no. 132.2802.2xx where xx = no. of conductors

230708

Continuous Lengths in 1m Multiples			
Conductors	Order Code	Price Per m	30.5m Reel Order Code Price Per Reel
10	120-7475		117-0256
14	120-7476		117-0257
16	120-7478		117-0258
20	120-7479		117-0261
26	120-7480		117-0262
34	120-7481		117-0263
40	120-7482		117-0264
50	120-7483		117-0265
64	120-7485		117-0267

Loose Twisted Flat (0.05") Pitch



- **UL recognised (Style 20488)** manufactured in coloured VW-1 flame retardant PVC insulation
- Loose twisted pairs provide extra flexibility, extended product life and allows for easy routing



Wire gauge	28AWG stranded	Cable construction	220mm twisted, 50mm flat
Temperature rating	-20°C to +80°C		220mm twisted etc.
Voltage rating	300V	Inductance	0.59μH/m
Impedance	115Ω	Insulation resistance	10 ¹⁰ Ω
Capacitance	43.6pF/m	Colour	10 Colour Repeat

Mftrs. List No. (3782-xxP-270) where xx = No. of conductors

208337

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
10	127-7031		332-9859	
34	127-7032		862-1446	
40	127-7033		332-9860	
64	127-7034		332-9872	

Round, Jacketed, Flat Cable



- Round construction permits easier routing
- 28 AWG 7x36 wire on 0.050" centers permits mass termination to broad line of IDC connectors



- Continuous split/bond repeat allows for mass termination on 2.4" centers (approximate)
- Meets external wiring requirements of National Electrical Code, Article 725 (CL2)
- Primary cable is zippable for branching or discrete terminations
- **UL recognised (Style 20267)**

Wire gauge	28AWG stranded	Capacitance	54.8pF/m*
Temperature rating	-20 to 80°C	Inductance	0.69μH/m*
Voltage rating	<50V	Insulation resistance	(Primary cable)>1 x 10 ⁹ Ω/10ft (3m)
Impedance	133Ω *	Colour	Grey

* balanced, measured between conductors within a pair.

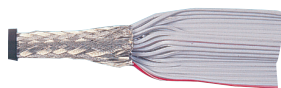
Mftrs. List No. 3759 + No. of Conductors

382290

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
10	127-7035		861-0916	
26	127-7039		861-0983	
34	127-7040		861-1009	

Ribbon Cable - continued

Round and Flat 1.27mm (0.05") Pitch



- UL recognised (Style 20267) round and flat PVC insulated ribbon cable for IDC termination



- Repeat of 35mm separated and 25mm bonded conductors
- Screened in aluminium polyester tape with overall tinned copper braid for excellent RFI/EMI protection
- Sheathed overall in Black PVC

Wire gauge	28AWG stranded 7/36AWG tinned copper	Capacitance	90.9pF/m
Temperature rating	80°C	Inductance	0.43µH/m
Voltage rating	300V	Insulation resistance	10 ¹⁰ Ω
Impedance	62Ω	Colour	Grey
		Cable Sheath:	Black

Mftrs. List No. 3659 + No. of ways

224066

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
9	297-537		297-057	
10	297-549		297-069	
14	297-550		297-070	
15	297-562		297-082	
16	297-574		297-094	
20	297-586		297-100	
25	297-598		297-112	
26	297-604		297-124	
34	297-616		297-136	
37	297-628		297-148	
40	297-630		297-150	
50	297-641		297-161	
60	297-653		297-173	
64	414-1052		414-0606	

Round 'N' Flat 1.27mm (0.05") Pitch - Unshielded



Flat ribbon cable with separated conductors every alternate 19mm (¾"), within one layer of Mylar, overall sheathed in a flexible flame retardant PVC covering. **UL/CL2/CSA** certified.

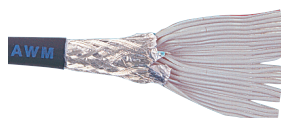
Wire gauge	28 AWG stranded 7/36AWG tinned copper	Insulation resistance	10 ¹⁰ Ω
Temperature rating	-20°C to +105°C	Capacitance	24pF/m.@1MHz
Voltage rating	300V	Colour	Grey
Current rating (nominal)	1.3A	Cable Jacket	Black
Impedance	75Ω		

Mftrs. List No. (159-2890-2xx) where xx = No. of conductors

481370

Continuous length in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
9	144-0138		143-5812	
10	144-0139		143-5813	
15	144-0140		143-5815	
20	144-0141		143-5816	
26	144-0142		143-5817	
40	144-0143		143-5818	
50	144-0144		143-5819	
60	144-0145		143-5820	
64	144-0146		143-5821	

Round 'N' Flat 1.27mm (0.05") Pitch



Flat ribbon cable with separated conductors every alternate 19mm (¾"), within two layers of shielding all in a round outer sheath minimising the effect of EMI/RFI. The first layer is helically wrapped aluminium/mylar, the second layer being tinned copper braid. Overall sheathed in a flexible flame retardant PVC covering. **UL/CL2/CSA** certified.



Wire gauge	28 AWG stranded 7/36AWG tinned copper	Inductance	0.49µH/m
Temperature rating	-20°C to +105°C	Insulation resistance	10 ¹⁰ Ω
Voltage rating	300V	Capacitance	78.7pF/m.@1MHz
Current rating (nominal)	1A	Colour	Grey
Impedance	75Ω	Cable Jacket	Black

Mftrs. List No. (159-2801-0xx) where xx = No. of conductors

208385

Continuous length in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
9	120-7463		117-0251	
15	120-7464		117-0252	
25	120-7466		117-0242	
26	120-7467		117-0243	
37	120-7468		117-0244	
50	120-7469		117-0253	

Twist and Flat 1.27mm (0.05") Pitch



- UL recognised
- PVC Jacket

Wire Gauge	28AWG 7/36AWG Tinned Copper
Temperature Rating	105°C
Voltage Rating	300V
Impedance	115Ω
Current Rating	1.3
Capacitance	14pF/ft/m
Insulation Resistance	10 ¹⁰ Ω

Mftrs. List no. 169.2832.2xx where xx = no. of conductors

481362

Continuous Lengths in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
10	144-0132		143-5807	
20	144-0133		143-5808	
50	144-0137		143-5811	

Shielded/Jacketed Flat Cable



- Polyvinyl Chloride (PVC) outer jacket, Expanded copper shield
- 0.050" 28 AWG 7x36 Tinned stranded copper conductors
- 360° expanded copper shielding provides 20 dB average shielding effectiveness

- Can be mass terminated to a broad line of IDC connectors
- UL recognised (Style 20879)

Wire gauge	28AWG stranded	Current rating	1A	Inductance	0.62µH/m*
Temperature rating	-20 to 80°C	Impedance	119Ω*	Insulation resistance	>1 x 10 ¹⁰ Ω/10ft (3m)
Voltage rating	<50V	Capacitance	41.7pF/m*	Colour	Grey

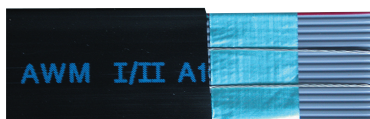
* balanced, measured between conductors within a pair.

Mftrs. List No. 3517 + No. of Conductors

382238

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
9	860-8563		860-8105	
10	860-8571		860-8113	
16	860-8580		860-8121	
20	860-8598		860-8130	
40	860-8636		860-8180	
50	860-8644		860-8199	

Jacketed Shielded 0.05" Pitch



- UL listed, Grey PVC insulation with aluminium/poly shielding and two drain wires
- Coated in Black PVC
- Excellent crosstalk and electrical performance
- Highly flexible

Wire Gauge	28AWG 7/36AWG Tinned Copper	Current Rating	1A
Temperature Rating	105°C	Impedance	50Ω
Voltage Rating	150V	Capacitance	131pF/m
		Insulation Resistance	10 ¹⁰ Ω

Mftrs. List No. 151-2831-009 = 117-0268 151-2831-025 = 117-0270 151-2831-050 = 117-0273
151-2831-015 = 117-0269 151-2831-037 = 117-0271

230688

Continuous lengths in 1m Multiples		Price Per m	30.5m Reel Order Code	Price Per Reel
Conductors	Order Code			
9	120-7486		117-0268	
15	120-7487		117-0269	
25	120-7488		117-0270	
37	120-7492		117-0271	
50	120-7493		117-0273	