

NEW

'Premium' Fire Performance Cable

Low Smoke & Zero Halogen emissions under fire conditions.



Introducing Shield 'Premium' Fire Performance Cable - independently approved by LPCB to meet all fire and fume emission testing detailed by BS 5839-1:2013.

Certified by LPCB to meet fire test Standards –

BS EN 50200:2006 + Annex E 30 minutes, BS EN 50200 PH30, PH60 & PH120 & BS 6387 CWZ. It is also fully approved to the Low Smoke & Zero Halogen requirements detailed by BS 5839-1:2013 & BS7629-1:2008.

Shield 'Premium' Cable retains continuity for 3 hours under fire condition tested at 950° C.



Standard Cable

BS 5839-1:2013 Clause 26.2d
BS EN 50200:2006 (PH 30 - PH 60 - PH 120) 830°C fire and mechanical shocks
BS EN 50200:2006 + Annex E 830°C - 30 min. (15 min. fire & water spray + mechanical shocks for every 5 min. throughout the 30 min. test)
BS 6387:2013 fire @ 950°C - 180 min

The Fastest Fire System Cable to Prepare for Termination.



Features

- Reduced Installation time and costs
- Easy to install and Superb Working Flexibility
- All in one - Easy to Strip Outer Sheath
- No Separate Foil
- No Additional Fibre Wraps
- No mica tape on conductors
- No additional core separators to remove
- Cable Construction Provides High Level Data Protection



Cert/LPCB ref. 682c/01

Approved and Certified to meet

BS EN 50200:2006+Annex E 30 mins
BS EN 50200:2006 PH30 to PH120
BS 6387:1994 Clause 11 CWZ
BS EN 50267-2-1:1999
BS EN 61034-2:2005

Fire Resistance Standard
Fire Resistance Standard
Fire Resistance Standard
Halogen Emission Standard (Risk Assessment May Demand Mechanical Protection)
Low Smoke Standard

Also suitable for

Emergency Lighting Standard
Voice Alarm Systems Standard
Voice Communication Standard
BS 5266-1:2005
BS 5839-8:2008
BS 5839-9:2003



Manufactured in Great Britain

10
YEARS
WARRANTY



LPCB approved to	Fire Resistance Standard Fire Resistance Standard Fire Resistance Standard Halogen Emission Standard Low Smoke Standard	BS EN 50200:2006 +Annex E 30 mins. BS EN 50200:2006 PH120 BS 6387:1994 Clause 11 CWZ BS EN 50267-2-1:1999 BS EN 61034-2:2005
Also for use with	Emergency Lighting Voice Alarm Systems Standard Voice Communication Standard (Risk Assessment May Demand Mechanical Protection)	BS 5266-1:2005 BS 5839-8:2008 BS 5839-9:2003
Materials	Drain Wire Conductors Core Installation Screening Outer Sheath	0.80mm Dia (0.50mm ²) Tinned Copper Plain Annealed Copper Fire Resistant ZHLS Silicone Aluminum Foil Low Smoke Halogen Free Thermoplastic
Working Voltage	Core to Core Core to CPC	500V 300V
Types	Outer Sheath Colours Number of Cores Inner Cores CSA	Red, White or Black 2, 3 & 4 Core 1.0, 1.5, 2.5 & 4.0mm CSA
Resistance	1.0mm CSA 1.5mm CSA 2.5mm CSA 4.0mm CSA	18.1 Ohms / 1 Km 12.1 Ohms / 1 Km 7.41 Ohms / 1 Km 4.61 Ohms / 1 Km
Minimum Bend Radius	Radius = 6 x Diameter	
Operating Temp. Installation Temp.	Minimum/Maximum Minimum/Maximum	- 40°C to +90°C 0°C to +70°C
Voltage Drop (DC or Single Phase AC)	1.0mm CSA 1.5mm CSA 2.5mm CSA	44 Ohms mV / A / m 29 Ohms mV / A / m 18 Ohms mV / A / m
Approximate Overall Diameter	2 Core 3 Core 4 Core	1.0mm / 7.15mm 1.5mm / 7.40mm 2.5mm / 8.70mm 1.0mm / 7.75mm 1.5mm / 8.55mm 2.5mm / 9.20mm 1.0mm / 8.00mm 1.5mm / 8.80mm 2.5mm / 11.10mm
Approximate Weights	2 Core with CPC 3 Core with CPC 4 Core with CPC	1.0mm 8.0 Kg / 100 m 1.5mm 9.5 Kg / 100 m 2.5mm 14.1 Kg / 100 m 1.0mm 9.5 Kg / 100 m 1.5mm 12.9 Kg / 100 m 2.5mm 19.1 Kg / 100 m 1.0mm 10.9 Kg / 100 m 1.5mm 14.5 Kg / 100 m 2.5mm 22.2 Kg / 100 m
Current Rating (Current Ratings listed are at 30°C Refer to BS7671/EE Wiring Regulations for de-rating factor.)	Cable Clipped (DC or Single Phase AC) Enclosed (DC or Single Phase AC)	1.0mm 15A 1.5mm 19.5A 2.5mm 27A 1.0mm 13A 1.5mm 16.5A 2.5mm 23A
Insulation Resistance	10MΩ > at 5000V d.c.	
Capacitance Rating	1.5mm CSA 2 Core & CPC } 3 Core & CPC } 4 Core & CPC ~	Core to Core - Average 70 pF/m Core to Screen - Average 130 pF/m Core to Core - Average 75 pF/m Core to Core - Average 150 pF/m
	2.5mm CSA 2 Core & CPC } 3 Core & CPC } 4 Core & CPC ~	Core to Core - Average 80 pF/m Core to Screen - Average 145 pF/m Core to Core - Average 85 pF/m Core to Screen - Average 165 pF/m
Warranty	Period Identification	10 Years from Date of Manufacture Date of Manufacture Marked On Cable

Sheath	Conductor	2 Core - 100m	2 Core - 500m
Red	1.0mm ²	SD-XPC210 - R100	SD-XPC210 - R500
	1.5mm ²	SD-XPC215 - R100	SD-XPC215 - R500
	2.5mm ²	SD-XPC225 - R100	SD-XPC225 - R500
White	1.0mm ²	SD-XPC210 - W100	SD-XPC210 - W500
	1.5mm ²	SD-XPC215 - W100	SD-XPC215 - W500
	2.5mm ²	SD-XPC225 - W100	SD-XPC225 - W500

Other Sizes and Sheath Colours Available.

The Fastest Fire Cable to Install

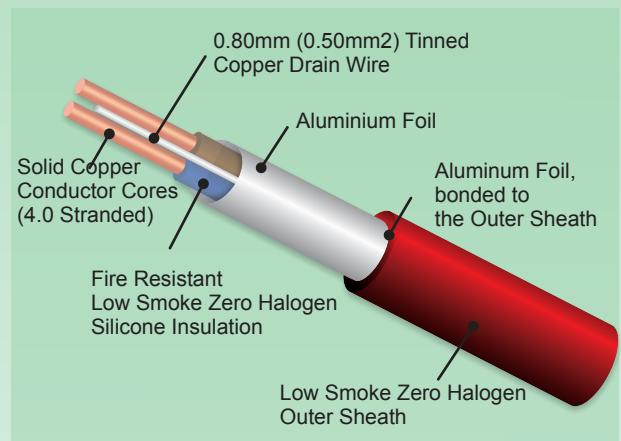
Shield 'Premium' Fire Cable is available in a variety of multiple core combinations all with CPC (circuit protection conductor).

500m reels and other special lengths are available.



Supplied On Robust Plastic Reels

- Installer safe and easy handling •
- Better Reeling and damage resistant •
- Weather and moisture resistant •



Manufacturers Recommended Installation Guide Lines

Recommended metal clip spacing 300mm Horizontal
400mm Vertical

Installation Temperatures:

Minimum installation Temperature 0°C

Maximum installation Temperature 70°C

Operating Temperature:

Minimum -40°C to Maximum +90°C.

The cable should not be flexed or bent when either the cable or operating temperature is below the recommended minimum or above the maximum recommended installation temperatures.

Minimum Bend Radius = 6 x Diameter

Plastic clips or ties must not be used as the sole means of support for fire cable.



Manufactured in Great Britain

ELV/13-12-18/Rev03

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E&OE



VA120 Version:1.1 Issued:31/10/2011