

FIRE PROOF CABLE

LOW SMOKE & ZERO HALOGEN EMISSIONS UNDER FIRE CONDITIONS.

Introducing Shield Fire Proof Cable - independently approved by LPCB to meet all re and fume emission testing detailed by BS 5839-1:2013.

Certied by LPCB to meet re test Standards – BS EN 50200:2006 + Annex E 30 minutes, BS EN 50200 PH30 & BS 6387:2013 (Catagory CWZ). It is also fully approved to the Low Smoke & Zero Halogen requirements detailed by BS 5839-:2013 & BS 7629-1:2008.

EMERGENCY LIGHTING SYSTEMS

Many Emergency Lighting Systems now require a Fire Performance cable to meet BS EN 50200:2006 PH30 – fire performance test. Shield fire proof cable is certified by LPCB to meet the required duration to PH30, 30 minutes duration.

Be Safe - Insist on Shield Fire Cable for all Emergency Lighting Systems.

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.

THE FASTEST FIRE CABLE TO INSTALL

Shield Fire Proof 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.



Standard Cable

BS 5839-1:2013 Clause 26.2d Standard
BS EN 50200:2006 (PH 30) 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
BS 7629-1:2008

Ordering Information

Sheath	Conductor	2 Core - 100m	2 Core - 500m
Red	1.5mm ²	SH-FRC215 – R100	SH-FRC215 – R500
	2.5mm ²	SH-FRC225 – R100	SH-FRC225 – R500
White	1.5mm ²	SH-FRC215 – W100	SH-FRC215 – W500
	2.5mm ²	SH-FRC225 – W100	SH-FRC225 – W500

Other Sizes and Sheath Colours Available.



(Ref redbooklive.com)

TECHNICAL DATA

LPCB approved to	Fire Resistance Standard	BS EN 50200:2006 + Annex E 30 mins.
	Fire Resistance Standard	BS EN 50200:2006 PH30
	Fire Resistance Standard	BS 6387:2013 Category CWZ
	Fire Resistance Standard	BS 5839-1:2013 (Clause 26.2d Standard)
	Halogen Emission Standard	BS EN 50267-2-1:1999
	Low Smoke Standard	BS EN 61034-2:2005
	Low Smoke Standard	BS 7629-1:2008
Also for use with	Emergency Lighting	BS 5266-1:2005
	Voice Alarm Systems Standard	BS 5839-8:2008
	Voice Communication Standard	BS 5839-9:2003
	Risk Assessment May Demand Mechanical Protection)	
Materials	Drain Wire	0.80mm Dia (0.50mm ²) Tinned Copper
	Conductors	Bare Copper
	Core Installation	Fire Resistant ZHLS Silicone E12
	Screening	Aluminium Tape
	Outer Sheath	Low Smoke Halogen Free Thermoplastic LTS3
Working Voltage	Core to Core	500V
	Core to CPC	300V
Types	Outer Sheath Colours	Red, White
	Number of Cores	2 Core
	Inner Cores CSA	1.5, 2.5mm CSA
Resistance	1.5mm CSA	12.1 Ohms / 1 Km
	2.5mm CSA	7.41 Ohms / 1 Km
Minimum Bend Radius	Radius = 6 x Diameter	
Operating Temp.	Minimum/Maximum	- 40°C to +90°C
Installation Temp.	Minimum/Maximum	0°C to +70°C
Voltage Drop. (DC or Single Phase AC)	1.5 mm CSA	29 Ohms mV / A / m
	2.5 mm CSA	18 Ohms mV / A / m
Approximate Overall Diameter	2 Core	1.5 mm / 7.40 mm 2.5 mm / 8.00 mm
Approximate Weights	2 Core with CPC	1.5 mm 9.5 Kg / 100 m
		2.5 mm 14.1 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)	1.5 mm 19.5 A 2.5 mm 27 A
	Enclosed (DC or Single Phase AC)	1.5 mm 16.5 A 2.5 mm 23 A
Insulation Resistance	10MΩ at 5000V d.c.	
Capacitance Rating	1.5 mm CSA 2 Core & CPC	Core to Core - Average 70 pF/m Core to Screen - Average 130 pF/m
	2.5 mm CSA 2 Core & CPC	Core to Core - Average 80 pF/m Core to Screen - Average 145 pF/m
Warranty	Period Identification	10 Years from Date of Manufacture Date of Manufacture Marked On Cable