



Fire Resistant Cable



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1812d

Fire Resistant Cable

Low Smoke & Zero Halogen emissions under fire conditions.

Certified by LPCB to meet fire test Standards – BS EN 50200:2015 + Annex E 30 minutes, BS EN 50200 PH30 & BS 6387:2013 (Category CWZ). It is also designed to meet the smoke and zero halogen emission requirements.

Standard Cable

EN 61034-2 : 2005+A2 : 2020

BS EN 50200:2015 (PH 30) 830°C fire and mechanical shocks

BS EN 50200:2015 + 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

EN 60754-1 : 2014

EN 60332-1-2 : 2004

Emergency Lighting Systems

Many Emergency Lighting Systems now require a Fire Performance cable to meet BS EN 50200:2015 PH30 – fire performance test.

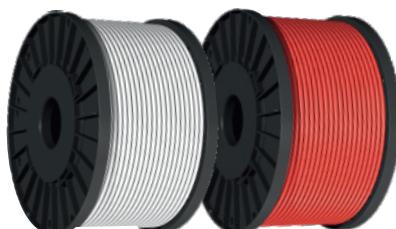
Shield fire resistant cable is certified by LPCB to meet the required duration to PH30, 30 minutes duration.



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



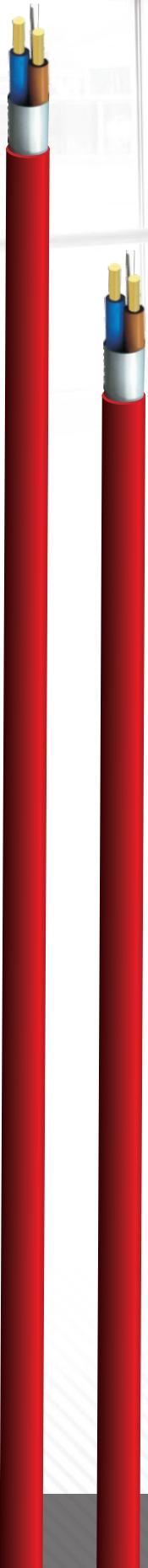
The Fastest Fire Cable to Install

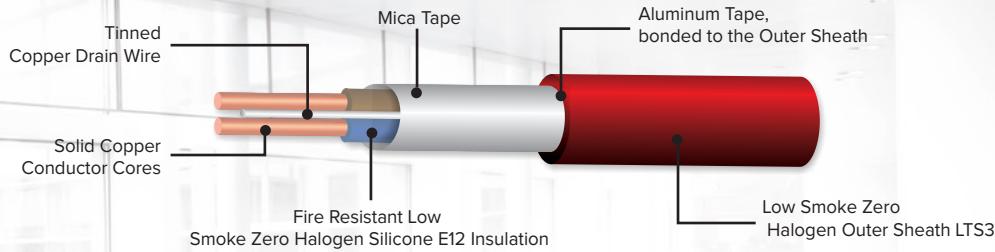
Shield Fire Resistant Cable is available in a variety of multiple core combinations all with CPC (circuit protection conductor). 500m reels and other special lengths are available.

Supplied On Robust Plastic Reels; Installer safe and easy handling, Better Reeling and damage resistant, Weather and moisture resistant

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

Other Sizes and Sheath Colours Available.





LPCB approved to

Fire Resistance Standard
Fire Resistance Standard
Fire Resistance Standard
Test for vertical flame propagation
Determination in amount of halogen acid test
Low Smoke Standard

BS EN 50200:2015 +Annex E 30 mins.
BS EN 50200:2015 PH30
BS 6387:2013 Catagory CWZ
EN 60332-1-2
EN-60754-1
BS EN 61034-2:2005

Materials

Drain Wire
Conductors
Core Installation
Screening
Outer Sheath

Tinned Copper
Bare Copper
Fire Resistant Silicone E12
Aluminium Tape
Low Smoke Halogen Free Thermoplastic LTS3

Working Voltage

Core to Core
Core to CPC

500V
300V

Types

Outer Sheath Colours
Number of Cores
Inner Cores CSA

Red, White
2 Core
1.5, 2.5mm CSA

Resistance

1.5mm CSA
2.5mm CSA

12.1 Ohms / 1 Km
7.41 Ohms / 1 Km

Minimum Bend Radius

Radius = 6 x Diameter

Operating Temp.

- 40°C to +90°C

Installation Temp.

0°C to +70°C

Voltage Drop
(DC or Single Phase AC)

1.5mm CSA
2.5mm CSA

29 Ohms mV / A / m
18 Ohms mV / A / m

Approximate Overall Diameter

2 Core

1.5mm 7.40mm
2.5mm 8.00mm

Approximate Weights

2 Core with CPC

1.5mm 9.5 Kg / 100 m
2.5mm 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)
Enclosed
(DC or Single Phase AC)

1.5mm 19.5A
2.5mm 27A
1.5mm 16.5A
2.5mm 23A

Insulation Resistance

10MΩ > at 5000V d.c.

Capacitance Rating

1.5mm CSA

Core to Core - Average 70 pF/m
Core to Screen - Average 130 pF/m

2 Core & CPC

Core to Core - Average 80 pF/m
Core to Screen - Average 145 pF/m

2.5mm CSA

2 Core & CPC

Warranty

Period
Identification

10 Years from Date of Manufacture
Date of Manufacture Marked On Cable

Conductor Size

Drain Wire Diameter

1.5mm 1.38 ± 0.02mm
2.5mm 1.78 ± 0.02mm

Outer Diameter

1.5mm 7.73mm
2.5mm 8.86mm



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