

NoBurn®

Plus

FLEXIBLE ENHANCED

Fire Performance Cable



Not Equivalent - Better!

Fastest Fire Cable to Prepare for Termination



NoBurn Plus Enhanced Flexible fire cables have stranded Class 2 copper conductors - to make terminating cores in compact and space restricted areas quicker, easier and to reduce the risk of accidental distress on installations where more flexible conductor bending is required.

Note: A Minimum Bend Radius of 6 times the diameter is required to meet BS 5839-1:2013 fire system standards.

Approved by BASEC & LPCB to meet with BS 5839-1:2013 Clause 26.2e Enhanced, BS 8434-2:2003+A2:2009 120 mins, BS 8519:2010 Category 2, BS EN 50200:2015 PH30, PH60 & PH 120, BS 7629-1:2015 Enhanced 120 and BS 6387:2013 CWZ.

• **Also suitable for**

Voice Alarm & Communication Standards BS 5839-8:2013 & BS 5839-9:2013

(Risk Assessment May Demand Mechanical Protection)

Irish System Standards IS 3217:2013 & Irish System IS 3218:2013

NoBurn Plus Flexible - The Fire Cable to help you go round the bends.

Complies with the revised Emergency Lighting Standard -

BS 5266-1:2016



NoBurn cable is manufactured in the UK using the latest technology, materials and equipment. All cable is marked with time & date of manufacture and each reel with a unique quality assurance batch and test number.

SAVE YOURSELF TIME AND MONEY!

No troublesome multiple sheaths to strip:-

- All in one - Easy strip outer sheath
- No separate foil
- No additional fibre wraps
- No mica tape on conductors
- No additional core separators to remove

NoBurn cable has superb working flexibility but stays where you put it, reduced installation time and costs.



LPCB Ref. No. 682d/01



Licence No: 152/001

Features

- Easy to Install and Superb Working Flexibility
- Up to 12 Twists per metre for Data Protection
- Red & White Outer Sheaths Available
- 1.0mm², 1.5mm², 2.5mm² & 4.0mm² Conductors
- 100m, 200m, 500m and Special Lengths Available
- Copper / Co-polymer Foil Screen
- Low Smoke & Zero Halogen
- Voltage Rating 300v/500v
- Suitable for Zone 1 and Zone 2 Hazardous Area use
- Suitable for Air Conditioning, Computer Control & Lift Doors where Low Smoke & Zero Halogen is required
- 100m Size Supplied on Robust Grey Plastic Reels - Clear on site Identification from Standard Fire Cable

Approved and Certified to meet

| | |
|---|------------------------------|
| BS 5839-1:2013 Clause 26.2e | 'Enhanced' Fire System Cable |
| BS 8519:2010 Category 2 | Fire Cable Code of Practice |
| BS 7629-1:2015 Enhanced 120 | Fire Cable Standard |
| BS 8434-2:2003+A2:2009 120 mins | |
| • Fire, Mechanical Shock & Water - 120 mins @ 930°C (Water final 60 mins) | |
| BS EN 50200:2015 PH30, PH60 & PH120 | |
| • Fire & Mechanical Shock - total of 120 mins @ 830°C (MS every 5 mins) | |
| BS 6387:2013 CWZ | |
| • C - Fire only for 180 mins (3 hours) @ 950°C | |
| W - Fire & Water for 30 mins @ 650°C (Water final 15 mins) | |
| Z - Fire & Mechanical Shock for 15 mins @ 950°C (MS every 30 seconds) | |
| BS EN 60754-1:2014 | Halogen Emission Standard |
| BS EN 61034-2:2005 | Low Smoke Standard |
| BS EN 60332-3-24 & -3-25:2009 | Bunched Flame Retardancy |



Manufactured in United Kingdom



www.ventcroft.co.uk

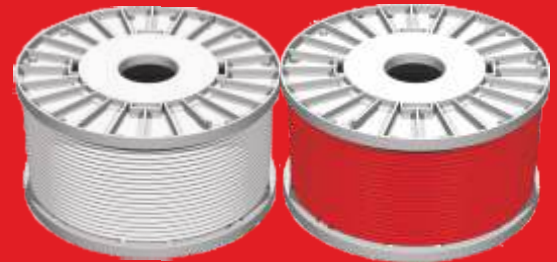
Specifications

| | | |
|--|--|---|
| LPCB & BASEC approved to | 'Enhanced' Fire Cable Fire Resistance Standard Fire Resistance Standard Fire Resistance Standard Fire Resistance Standard Fire Resistance Standard Halogen Emission Standard Low Smoke Standard Bunched Flame Retardancy | BS 5839-1:2013 Clause 26.2e BS 8519:2010 Category 2 BS 8434-2:2003+A2:2009 120 mins BS EN 50200:2015 PH30, PH60 & PH120 BS 7629-1:2015 Enhanced 120 BS 6387:2013 CWZ BS EN 60754-1:2014 BS EN 61034-2:2005 BS EN 60332-3-24 & -3-25:2009 |
| Designed to comply to | Emergency Lighting Voice Alarm Systems Standard Voice Communication Standard | BS 5266-1:2011 BS 5839-8:2013 BS 5839-9:2013 |
| Materials | CPC (Earth) Conductors Core Installation Screening Outer Sheath | Tinned Annealed Stranded Copper Plain Annealed Stranded Copper Fire Resistant Silicone Aluminium 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 or White 2, 3 & 4 Core 1.0, 1.5, 2.5 & 4.0mm ² CSA |
| Resistance | 1.0mm ² CSA 1.5mm ² CSA 2.5mm ² CSA 4.0mm ² CSA | 18.1 Ohms / 1Km 12.1 Ohms / 1Km 7.41 Ohms / 1Km 4.61 Ohms / 1Km |
| 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 ² CSA 1.5mm ² CSA 2.5mm ² CSA 4.0mm ² CSA | 44 Ohms mV / A / m 29 Ohms mV / A / m 18 Ohms mV / A / m 11 Ohms mV / A / m |
| Approximate Overall Diameter | 2 Core 3 Core 4 Core | 1.0mm ² / 8.00mm 1.5mm ² / 8.20mm 2.5mm ² / 8.80mm 4.0mm ² / 10.20mm 1.0mm ² / 8.90mm 1.5mm ² / 9.90mm 2.5mm ² / 10.80mm 4.0mm ² / 13.10mm 1.0mm ² / 10.40mm 1.5mm ² / 11.10mm 2.5mm ² / 12.60mm 4.0mm ² / 15.00mm |
| Approximate Weights | 2 Core with CPC 3 Core with CPC 4 Core with CPC | 1.0mm ² 8.2 Kg / 100 m 1.5mm ² 9.7 Kg / 100 m 2.5mm ² 14.4 Kg / 100 m 4.0mm ² 24.0 Kg / 100 m 1.0mm ² 9.8 Kg / 100 m 1.5mm ² 13.2 Kg / 100 m 2.5mm ² 19.4 Kg / 100 m 4.0mm ² 28.0 Kg / 100 m 1.0mm ² 11.2 Kg / 100 m 1.5mm ² 14.8 Kg / 100 m 2.5mm ² 22.7 Kg / 100 m 4.0mm ² 50.0 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 ² 15A 1.5mm ² 19.5A 2.5mm ² 27A 4.0mm ² 36A 1.0mm ² 13A 1.5mm ² 16.5A 2.5mm ² 23A 4.0mm ² 30A |
| Capacitance Rating | 1.5mm ² CSA 2 Core & CPC } 3 Core & CPC } 4 Core & CPC ~ 2.5mm ² CSA 2 Core & CPC } 3 Core & CPC } 4 Core & CPC } | Core to Core - Average 70 pF/m Core to Screen - Average 125 pF/m Core to Core - Average 75 pF/m Core to Screen - Average 150 pF/m Core to Core - Average 85 pF/m Core to Screen - Average 155 pF/m |
| Warranty | Period | 10 Years from Date of Manufacture |

The Fastest Fire Cable to Install

Ventcroft NoBurn Plus is available in a variety of multiple core combinations all with CPC (circuit protection conductor).

100m, 200m, 500m reels and other special lengths are available.



Grey Plastic Reels for Clear Identification from 'Standard' Cable

- Installer Safe and Easy Handling •
- Better Reeling and Damage Resistant •
- Weather and Moisture Resistant •

Available with
Red & White Sheaths Ex Stock.
Black, Orange and other Sheath Colours Available - MOQ will apply.

Manufacturers Recommended Installation Guide Lines

Recommended metal clip spacing 300mm Horizontal
400mm Vertical

The type, spacing and requirement of additional fixings when laid in Cable Trays is optional & relative to local risk assessment.

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.

