VENTCROFT

NoBurn® Plus

ENHANCED ✚
Fire Performance Cable

VENTCROFT
UK MANUFACTURER

Not Equivalent - Better!

SAVE TIME AND MONEY !

NOBURN FIRE CABLE IS THE FASTEST CABLE TO PREPARE FOR TERMINATION.

FIRE SYSTEM CABLES

NoBurn Plus Enhanced is approved and certified by LPCB & BASEC to fully meet the requirements of 'Enhanced' fire cables for use with UK fire systems. See details of all standards below. Manufactured entirely and only in the UK.

NoBurn cable is produced using the latest technology, materials and equipment. Every detail from start to finish is recorded and traceable, a quality batch and test number is printed on every reel, and time and date of manufacture printed along the entire length of the cable.
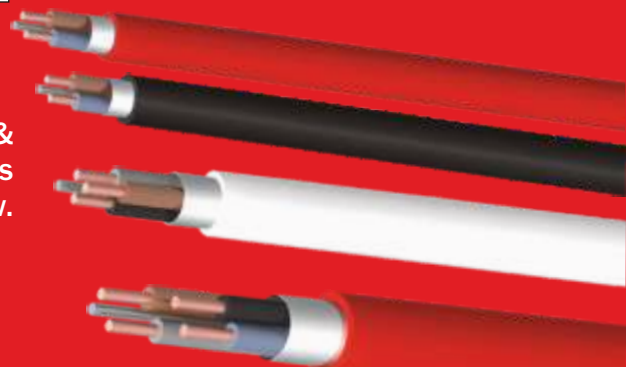
NEW NoBurn Plus **FLEXIBLE ENHANCED** ✚
Fire Performance Cable

Now also available with Class 2 stranded conductors - to make terminating cores in compact and space restricted areas quicker & easier

Eze-Prep® INSULATION

With NoBurn's Eze-Prep insulation - no need to remove insulation to terminate!

Simply pull back, connect and let go - no bare copper, removes chance of accidental short circuits - Fast, Safe & Secure!

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

- **Also suitable for**

Emergency Lighting Standard	BS 5266-1:2011
Voice Alarm Systems Standard	BS 5839-8:2013
Voice Communication Standard	BS 5839-9:2013
(Risk Assessment May Demand Mechanical Protection)	
Irish Emergency Lighting Standard	IS 3217:2013
Irish Fire Alarm System Standard	IS 3218:2013

LPCB

BASEC

LPCB Ref. No. 682d/01   Licence No: 152/001

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

Features

- Easy to Install and Superb Working Flexibility
- Up to 12 Twists per metre for Data Protection
- Red & White Outer Sheaths Available
- $1.0mm^2$, $1.5mm^2$, $2.5mm^2$ & $4.0mm^2$ Conductors
- 100m, 200m, 500m and Special Lengths Available
- 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
- Supplied on Robust Grey Plastic Reels - Clear 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 7629-1:2008	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 50200:2006 PH30, PH60 & PH120
- Fire & Mechanical Shock - total of 120 mins @ 830°C (MS every 5 mins)

BS 6387:2013 Clause 6, 7 & 8 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 50267-2-1:1999	Halogen Emission Standard
BS EN 61034-2:2005	Low Smoke Standard

Manufactured in United Kingdom

10 YEARS WARRANTY

CE

www.ventcroft.co.uk

Va140 Version:1.9 Issued:26/01/2016

NoBurn® Plus
ENHANCED +
Fire Performance Cable

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Specifications

LPCB & BASEC approved to	'Enhanced' Fire Cable	BS 5839-1:2013 Clause 26.2e
	Fire Resistance Standard	BS 8519:2010 Category 2
	Fire Resistance Standard	BS 8434-2:2003+A2:2009 120 mins
	Fire Resistance Standard	BS EN 50200:2006 PH30, PH60 & PH120
	Fire Resistance Standard	BS 7629-1:2008
	Fire Resistance Standard	BS 6387:2013 Clause 6, 7 & 8 CWZ
	Halogen Emission Standard	BS EN 50267-2-1:1999
	Low Smoke Standard	BS EN 61034-2:2005
Designed to comply to	Emergency Lighting	BS 5266-1:2011
	Voice Alarm Systems Standard	BS 5839-8:2013
	Voice Communication Standard	BS 5839-9:2013
Materials	CPC (Earth)	Tinned Annealed Copper
	Conductors	Plain Annealed Copper
	Core Installation	Fire Resistant Silicone
	Screening	Aluminimum Foil
	Outer Sheath	Low Smoke Halogen Free Thermoplastic
Working Voltage	Core to Core	500V
	Core to CPC	300V
Types	Outer Sheath Colours	Red or White
	Number of Cores	2, 3 & 4 Core
	Inner Cores CSA	1.0, 1.5, 2.5 & 4.0mm² CSA
Resistance	1.0mm² CSA	18.1 Ohms / 1Km
	1.5mm² CSA	12.1 Ohms / 1Km
	2.5mm² CSA	7.41 Ohms / 1Km
	4.0mm² CSA	4.61 Ohms / 1Km
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	1.0mm² CSA	44 Ohms mV / A / m
(DC or Single Phase AC)	1.5mm² CSA	29 Ohms mV / A / m
	2.5mm² CSA	18 Ohms mV / A / m
	4.0mm² CSA	11 Ohms mV / A / m
Approximate Overall Diameter	2 Core	1.0mm² / 8.00mm
		1.5mm² / 8.20mm
		2.5mm² / 8.80mm
		4.0mm² / 10.20mm
	3 Core	1.0mm² / 8.90mm
		1.5mm² / 9.90mm
		2.5mm² / 10.80mm
		4.0mm² / 13.10mm
	4 Core	1.0mm² / 10.40mm
		1.5mm² / 11.10mm
		2.5mm² / 12.60mm
		4.0mm² / 15.00mm
Approximate Weights	2 Core with CPC	1.0mm² 8.2 Kg / 100 m
		1.5mm² 9.7 Kg / 100 m
		2.5mm² 14.4 Kg / 100 m
		4.0mm² 24.0 Kg / 100m
	3 Core with CPC	1.0mm² 9.8 Kg / 100 m
		1.5mm² 13.2 Kg / 100 m
		2.5mm² 19.4 Kg / 100 m
		4.0mm² 28.0 Kg / 100 m
	4 Core with CPC	1.0mm² 11.2 Kg / 100 m
		1.5mm² 14.8 Kg / 100 m
		2.5mm² 22.7 Kg / 100 m
		4.0mm² 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)	1.0mm² 15A
		1.5mm² 19.5A
		2.5mm² 27A
		4.0mm 36A
	Enclosed (DC or Single Phase AC)	1.0mm² 13A
		1.5mm² 16.5A
		2.5mm² 23A
		4.0mm² 30A
Capacitance Rating	1.5mm² CSA 2 Core & CPC 3 Core & CPC	Core to Core - Average 70 pF/m
		Core to Screen - Average 125 pF/m
	4 Core & CPC ~	Core to Core - Average 75 pF/m
		Core to Screen - Average 150 pF/m
	2.5mm² CSA 2 Core & CPC 3 Core & CPC 4 Core & CPC	Core to Core - Average 85 pF/m
		Core to Screen - Average 155 pF/m
Warranty	Period	10 Years from Date of Manufacture
	Identification	Date of Manufacture Marked On Cable

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.
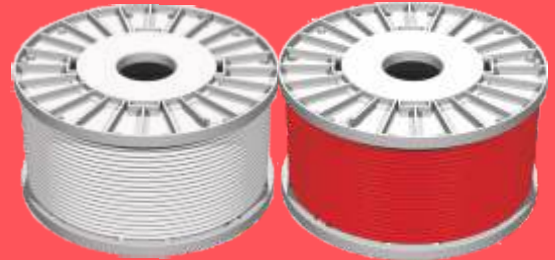
Grey Plastic Reels for Clear Identification from 'Standard' Cable
- Installer Safe and Easy Handling •
- Better Reeling and Damage Resistant •
- Weather and Moisture Resistant •

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.

Ventcroft Fire Cable Clips & Saddles
Copper - Low Smoke - Zero Halogen

Recommended for NoBurn Fire Cable

Solid Copper Conductor Cores (4.0 Stranded)

Polyester Backed Co polymer Aluminium Foil

Aluminum Foil, bonded to the Outer Sheath

Tinned Solid Copper CPC Circuit Protection Conductor (Earth Wire) (4.0 Stranded)

Enhanced Fire Resistant Low Smoke Zero Halogen Silicone Insulation

Enhanced Flame Retardant Low Smoke Zero Halogen Outer Sheath

10 YEARS WARRANTY

CE