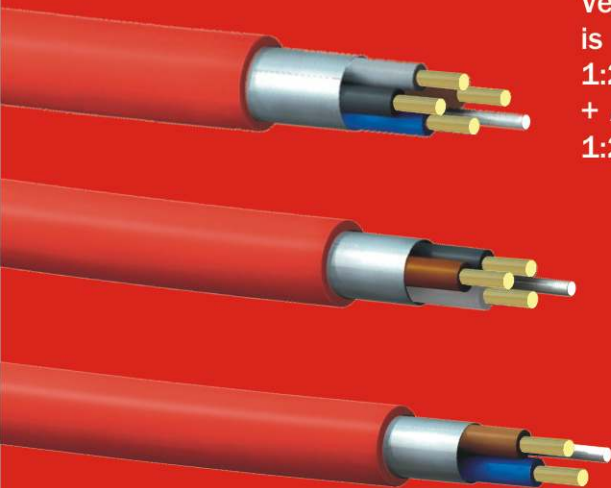


Fire System Cables



Ventcroft's NoBurn Platinum 'Standard' Fire Performance Cable is approved by both LPCB and BASEC to meet with BS 5839-1:2002 + A2:2008 Clause 26.2d Standard, BS EN 50200:2006 + Annex E 30 minutes, BS EN 50200:2006 PH120, BS 7629-1:2008 and BS 6387:1994 Clause 11 CWZ.

NoBurn cable is manufactured in the UK using the latest technology, materials and manufacturing equipment. Materials and processes are recorded and tracked throughout manufacture to ensure consistent reliability and quality. All cable is marked with time and date of manufacture and each reel with a unique quality assurance batch and test number.

NoBurn cable cores are twisted during manufacture to provide the highest level of data protection, ideal for long cable runs and analogue addressable fire systems.

NoBurn fire cable is the fastest cable to prepare for termination.

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.



Emergency Lighting Systems

2006 saw the introduction of a revised standard for the cable used with Emergency Lighting Systems - BS 5266-1:2005.



The standard now calls for a Fire Performance cable to meet BS EN 50200:2006 PH60 - a one hour fire performance test. NoBurn Standard fire cable is certified by LPCB and BASEC to meet twice the required duration to PH120, two hour duration.

Be Safe - Insist on NoBurn for all Emergency Lighting Systems

Fire Performance Cable

Features

- Easy to Install and Superb Working Flexibility
- 12 Twists per metre for Data Protection
- Red, White & Black Outer Sheaths Available
- 1mm², 1.5mm², 2.5mm² & 4.0mm²
- 200m, 500m and Special Lengths Available
- Aluminium / Co-polymer Foil Screen
- Low Smoke & Zero Halogen
- Suitable for Air Conditioning, Computer Control & Lift Doors where Low Smoke & Zero Halogen is required

Approved and Certified to meet

- BS 5839-1:2002 +A2: 2008
- BS EN 50200:2006 + Annex E 30 mins.
- BS EN 50200:2006 PH120
- BS 7629-1:2008
- BS 6387:1994 Clause 11 CWZ
- BS EN 50267-2-1:1999
- BS EN 61034-2:2005

Also suitable for

- Emergency Lighting Standard
- Voice Alarm Systems Standard
- Voice Communication Standard

(Risk Assessment May Demand Mechanical Protection)

'Standard' Fire Cable

- Fire Resistance Standard
- Fire Resistance Standard
- Fire Resistance Standard
- Fire Resistance Standard
- Fire Resistance Standard
- Halogen Emission Standard
- Low Smoke Standard

BS 5266-1:2005

BS 5839-8:2008

BS 5839-9:2003



Manufactured in Great Britain

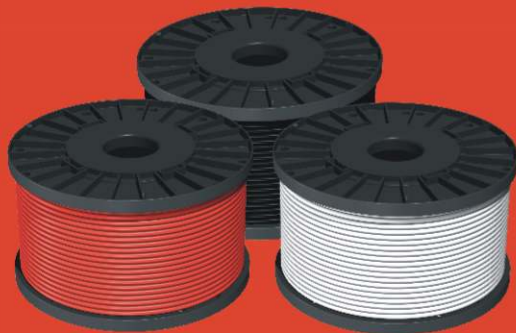
www.ventcroft.co.uk



The Fastest Fire Cable to Install

Ventcroft NoBurn Platinum 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.

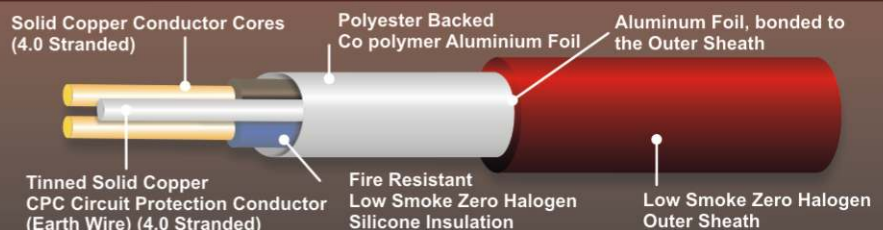
The cable should not be flexed or bent when either the cable or operating temperature is below the recommended minimum or above the maximum recommended **installation** temperatures.

Minimum Bend Radius = 6 x Diameter

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

Specifications

LPCB & BASEC approved to	'Standard' Fire Cable Fire Resistance Standard Fire Resistance Standard Fire Resistance Standard Fire Resistance Standard Halogen Emission Standard Low Smoke Standard	BS 5839-1:2002 +A2: 2008 BS EN 50200:2006 + Annex E 30 mins. BS EN 50200:2006 PH120 BS 7629-1:2008 BS 6387:1994 Clause 11 CWZ BS EN 50267-2-1:1999 BS EN 61034-2:2005
Designed to comply to	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	CPC (Earth) Conductors Core Installation Screening Outer Sheath	Tinned Annealed Copper Plain Annealed 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, 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 4.0mm 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 / 7.20mm 1.5mm / 7.90mm 2.5mm / 9.50mm 4.0mm / 10.88mm 1.0mm / 7.40mm 1.5mm / 8.50mm 2.5mm / 10.10mm 4.0mm / 12.50mm 1.0mm / 9.00mm 1.5mm / 10.50mm 2.5mm / 13.00mm 4.0mm / 13.63mm
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 4.0mm 20.0 Kg / 100 m 1.0mm 9.5 Kg / 100 m 1.5mm 12.9 Kg / 100 m 2.5mm 19.1 Kg / 100 m 4.0mm 25.0 Kg / 100 m 1.0mm 10.9 Kg / 100 m 1.5mm 14.5 Kg / 100 m 2.5mm 22.2 Kg / 100 m 4.0mm 31.0 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 15A 1.5mm 19.5A 2.5mm 27A 4.0mm 36A 1.0mm 13A 1.5mm 16.5A 2.5mm 23A 4.0mm 30A
Capacitance Rating	1.5mm CSA 2 Core & CPC } 3 Core & CPC } 4 Core & CPC ~ 2.5mm 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 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



Ventcroft Ltd. Goddard Road, Astmoor Industrial Estate, Runcorn,
Cheshire WA7 1NQ, Great Britain. Tel: +44 (0)1928 581098, Fax: +44 (0)1928 581099

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E&OE

VA33 Version:10.7 Issued:27/07/2009



Fire System Enhanced Cables

It is the unique design and quality of material that enables NoBurn Diamond fire cable to meet the exacting 'Enhanced' standard without costly, difficult to install multiple sheaths and wraps - a joy to install by comparison to any other brand.

Ventcroft's NoBurn Diamond 'Enhanced' Fire Performance Cable has been independently tested and approved by LPCB to meet with BS 5839-1:2002+A2:2008, BS 8434-2:2003 120 Minutes and BS EN 50200:2006 PH120. NoBurn cable is manufactured in the UK using the latest technology, materials and manufacturing equipment.

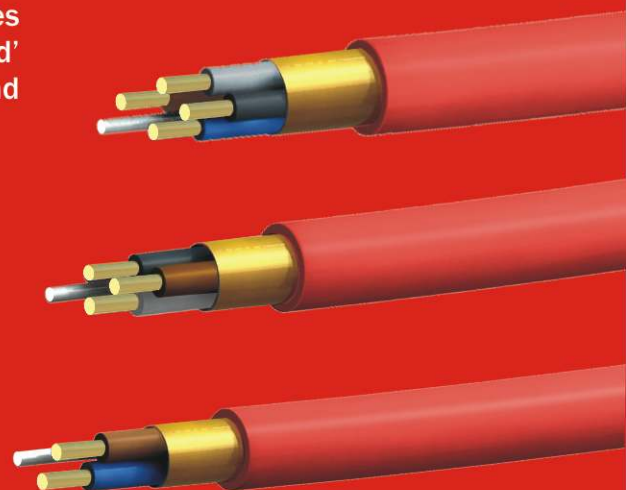
Materials and processes are recorded and tracked throughout manufacture to ensure consistent reliability and quality. All cable is marked with time and date of manufacture and each reel with a unique quality assurance batch and test number.

NoBurn fire cable is the fastest cable to prepare for termination.

No troublesome multiple sheaths to strip:-

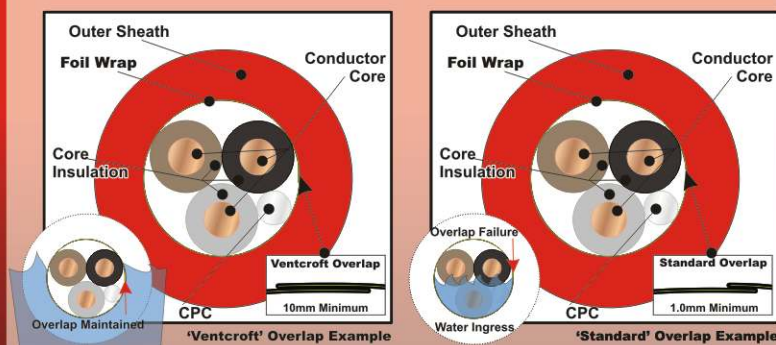
- All in one - Easy strip outer sheath
- No separate foil
- No additional fibre wraps
- No mica tape on conductors
- No additional core separators to remove

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



With
VENTCROFT
FIRE LOCK

NoBurn Diamond's design removes overlap vulnerability, reduces accidental damage and minimises the potential for water ingress due to overlap failure during fire conditions.



Fire Performance Cable

Features

- Easy to Install and Superb Working Flexibility
- 12 Twists per metre for Data Protection
- Red & White Outer Sheaths Available
- 1mm², 1.5mm² & 2.5mm²
- 200m, 500m and Special Lengths Available
- Copper / Co-polymer Foil Screen
- Low Smoke & Zero Halogen
- Suitable for Air Conditioning, Computer Control & Lift Doors where Low Smoke & Zero Halogen is required

- Approved and Certified to meet

BS 5839-1:2002 +A2:2008
 BS 8434-2:2003 120 mins.
 BS EN 50200:2006 PH120
 BS 7629-1:2008
 BS 6387:1994 Clause 11 CWZ
 BS EN 50267-2-1:1999
 BS EN 61034-2:2005

Also suitable for

Emergency Lighting Standard
 Voice Alarm Systems Standard
 Voice Communication Standard

'Enhanced' Fire Cable
 Fire Resistance Standard
 Fire Resistance Standard
 Fire Resistance Standard
 Fire Resistance Standard
 Halogen Emission Standard
 Low Smoke Standard

BS 5266-1:2005
 BS 5839-8:2008
 BS 5839-9:2003



Manufactured in Great Britain

www.ventcroft.co.uk



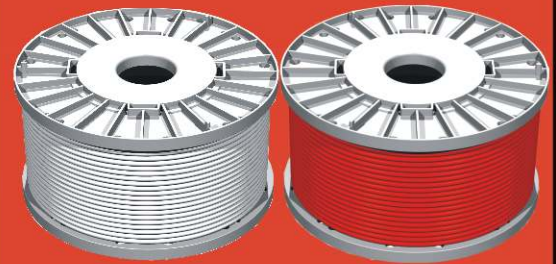
Specifications

LPCB approved to	'Enhanced' Fire Cable Fire Resistance Standard Fire Resistance Standard Fire Resistance Standard Fire Resistance Standard Halogen Emission Standard Low Smoke Standard	BS 5839-1:2002 +A2:2008 BS 8434-2: 2003 120 mins. BS EN 50200:2006 PH120 BS 7629-1:2008 BS 6387:1994 Clause 11 CWZ BS EN 50267-2-1:1999 BS EN 61034-2:2005
Designed to comply to	Emergency Lighting Voice Alarm Systems Standard Voice Communication Standard	BS 5266-1:2005 BS 5839-8:2008 BS 5839-9:2003
Materials	CPC (Earth) Conductors Core Installation Screening Outer Sheath	Tinned Annealed Copper Plain Annealed Copper Fire Resistant Silicone Copper 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 & 2.5mm CSA
Resistance	1.0mm CSA 1.5mm CSA 2.5mm CSA	18.1 Ohms / 1Km 12.1 Ohms / 1Km 7.41 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 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 / 7.20mm 1.5mm / 7.90mm 2.5mm / 9.50mm 1.0mm / 7.40mm 1.5mm / 8.50mm 2.5mm / 10.10mm 1.0mm / 9.00mm 1.5mm / 10.50mm 2.5mm / 13.00mm
Approximate Weights	2 Core with CPC 3 Core with CPC 4 Core with CPC	1.0mm 8.2 Kg / 100 m 1.5mm 9.7 Kg / 100 m 2.5mm 14.4 Kg / 100 m 1.0mm 9.8 Kg / 100 m 1.5mm 13.2 Kg / 100 m 2.5mm 19.4 Kg / 100 m 1.0mm 11.2 Kg / 100 m 1.5mm 14.8 Kg / 100 m 2.5mm 22.7 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
Capacitance Rating	1.5mm CSA 2 Core & CPC } 3 Core & CPC } 4 Core & CPC ~ 2.5mm 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 Identification	10 Years from Date of Manufacture Date of Manufacture Marked On Cable

The Fastest Fire Cable to Install

Ventcroft NoBurn Diamond 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
(Reel Colour Helps Identify Enhanced from Standard Cable)

- 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

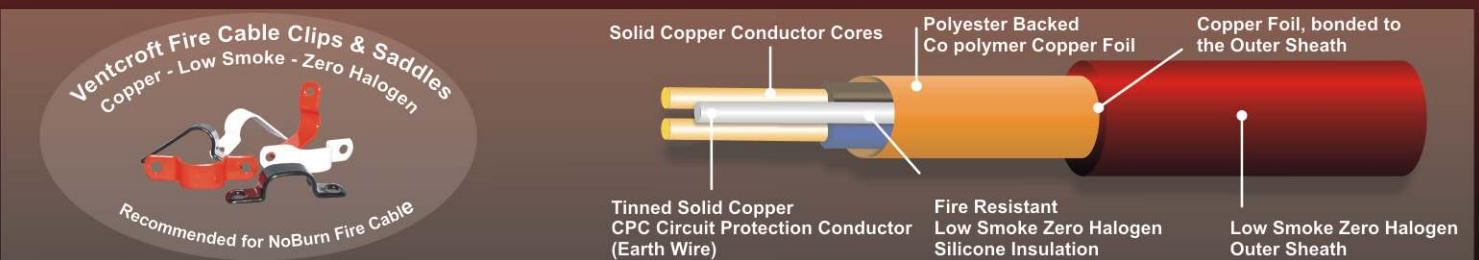
Operating Temperature:

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.

The fastest cable to prepare for termination with superb working flexibility.
Approved to meet the exacting "ENHANCED" Fire Cable Standards.



Ventcroft Ltd. Goddard Road, Astmoor Industrial Estate, Runcorn,
Cheshire WA7 1NQ, Great Britain. Tel: +44 (0)1928 581098, Fax: +44 (0)1928 581099

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VA62 Version:3.6 Issued:27/07/2009



Fire Cable Clips & Saddles

Copper - Low Smoke - Zero Halogen



Ideal for use with *NoBurn* fire cable and most other fire cable brands.

The Cable Clips are manufactured by Dip Coated technique which ensures a softer edge so as not to cut or damage the fire cable.

P clips and Saddle Clips are available in colours Red / White and Black.

Plastic cable clips must not be used at anytime as the main support for Fire Performance Cables.

Ensure your installation of fire cable meets the requirements of BS5839:2002.

Copper Cable Clips with Coating.
Complies to:-
 BS476 Pt.5 As Amended. Ignitability
 BS476 Pt.6 Fire Propagation
 BS476 Pt.7 Surface Spread of Flame
 UL94 Vertical Burn Test
 Meets the cable support requirements of BS5839-1:2002



Description		Cable Suitability by Item Code				
RED	Equivalent	1.0mm	1.5mm	2.5mm	4.0mm	CODE
Single Cable P Clip	32	2 Core & 3 Core	2 Core			VCA - C7SR
Single Cable P Clip	34	4 Core	3 Core & 4 Core	2 Core		VCA - C9SR
Single Cable P Clip	37			3 Core & 4 Core		VCA - C11SR
Single Cable P Clip	43				2 Core	VCA - C12SR
	SWG Size					
RED		1.0mm	1.5mm	2.5mm	4.0mm	CODE
Double Cable Saddle		2 Core & 3 Core	2 Core			VCA - S8DR
Double Cable Saddle		4 Core	3 Core & 4 Core	2 Core		VCA - S9DR
WHITE	Equivalent	1.0mm	1.5mm	2.5mm	4.0mm	CODE
Single Cable P Clip	32	2 Core & 3 Core	2 Core			VCA - C7SW
Single Cable P Clip	34	4 Core	3 Core & 4 Core	2 Core		VCA - C9SW
Single Cable P Clip	37			3 Core & 4 Core		VCA - C11SW
Single Cable P Clip	43				2 Core	VCA - C12SW
	SWG Size					
WHITE		1.0mm	1.5mm	2.5mm	4.0mm	CODE
Double Cable Saddle		2 Core & 3 Core	2 Core			VCA - S8DW
Double Cable Saddle		4 Core	3 Core & 4 Core	2 Core		VCA - S9DW
BLACK	Equivalent	1.0mm	1.5mm	2.5mm	4.0mm	CODE
Single Cable P Clip	32	2 Core & 3 Core	2 Core			VCA - C7SBK
Single Cable P Clip	34	4 Core	3 Core & 4 Core	2 Core		VCA - C9SBK
	SWG Size					
BLACK		1.0mm	1.5mm	2.5mm	4.0mm	CODE
Double Cable Saddle		2 Core & 3 Core	2 Core			VCA - S8DBK
Double Cable Saddle		4 Core	3 Core & 4 Core	2 Core		VCA - S9DBK



Packed 50 Per Bag
Outer Carton 100 x Bags of 50



Ventcroft Ltd. Goddard Road, Astmoor Industrial Estate, Runcorn, Cheshire WA7 1NQ, Great Britain. Tel: +44 (0)1928 581098, Fax: +44 (0)1928 581099

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Manufactured in Great Britain

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VA108 Version:1.2 Issued:08/04/2009