



Cable Products



**Manufactured in
United Kingdom**



• Fire •



• Intruder •



• Fire Cable Clips •



Not Equivalent - Better!

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Ventcroft Ltd are one of the worlds top two manufacturers of fire performance and intruder alarm cables to British & International Standards. We are based in Cheshire UK.

Unique in terms of investment in UK cable manufacturing, the continuing worldwide increased demand for our high quality cable has seen our recent and ongoing investment total almost £30 million.

Ventcroft do not supply end users or installers direct, however our extensive range of products are available from distributors throughout the UK and Worldwide.



Our purpose built cable manufacturing facility is now over 100,000 sq ft and houses state of the art, world class automated cable manufacturing plant, test laboratories and on site copper drawing and silicone compounding facilities. The factory and manufacturing processes are approved by both LPCB & BASEC to ISO9001 and our fire cable ranges certified to meet a wide range of UK and international performance standards.



Material Test Lab Facilities



Smoke & Burn Test Lab



Ovens - Material Temperature Testing - Fridges & Freezers

Using some of the most advanced fire cable testing equipment, excluding in line process monitoring, Ventcroft labs perform over 30,000 material and cable tests each year.

In addition to Ventcroft's market leading 'NoBurn Platinum' Standard & 'NoBurn Plus' Enhanced fire cable we offer export fire cables for the International market and a full range of intruder cables to BS 4737: 2015 Type 1, 2 & 3 standards. New cable ranges are planned for future introduction.

We are able to provide 'own branding' of our fire and intruder cables and free contractor fire cable personalisation with 'CID' (Cable Identity Detection) cable print facility to provide assurance throughout the supply chain to post installation that all cables are genuine and comply to the exact standard required.

During recent decades the UK has seen the closure of cable manufacturing plants and transferral of cable production overseas; we are proud to be a British owned cable manufacturing company, investing to expand cable manufacturing in the UK.

Established in 1991, we are highly recognised for our imagination, innovation and technical expertise in the cable market, winning awards for Business of the Year and International Trader of the Year. Expanding business year on year with our distribution and wholesale partners based in the UK and over 50 countries worldwide.

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Standard Fire Performance Cable

FIRE

VENTCROFT NoBurn® Platinum

STANDARD
Fire Performance Cable



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

Not Equivalent - Better!

NoBurn Platinum is certified by LPCB & BASEC to fully meet the requirements of 'Standard' fire cable used with UK fire systems. See details of all performance standards below. Manufactured entirely and only in the UK.

NoBurn control cable is produced using the latest technology, materials and equipment. Every detail from start to finish is recorded and traceable, a quality batch number and time and date of manufacture is printed on every reel and along the entire length of the cable.

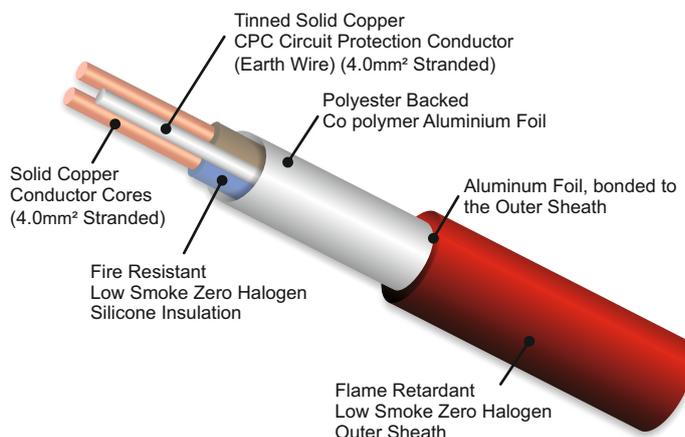
NoBurn cable cores are twisted during manufacture to provide the highest level of data protection, ideal for long cable runs and analogue addressable fire systems.

THE FASTEST CABLE TO PREPARE FOR TERMININATION SAVE TIME AND COST

Sheath & Insulation -
Low Smoke Zero Halogen



Colour Coded Easy to Handle
100m Plastic Reel
(Black Reel = 'Standard' Cable)



► Also suitable for

- Emergency Lighting - BS 5266-1:2016
- Voice Alarm Systems - BS 5839-8:2013
- Voice Communication - BS 5839-9:2013
- Irish Emergency Lighting - IS 3217:2013
- Irish Fire - IS 3218:2013

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!

Features

- Easy to Install and Superb Working Flexibility
- Up to 12 Twists per metre for Data Protection
- Red, White, Black & Orange Outer Sheaths Available
- 2 core, 3 core & 4 core with CPC (Earth Wire)
- 1.0mm², 1.5mm², 2.5mm² & 4.0mm² Conductors
- 100m, 200m, 500m and Special Lengths Available
- Aluminium/Co-polymer EMC/Pet Foil Screen
- Low Smoke and Zero Halogen
- Voltage Rating 300v/500v
- Suitable for Air Conditioning, Computer Control & Lift Doors where Low Smoke & Zero Halogen is required

Approved and Certified to meet

- BS 5839-1:2013 Clause 26.2d 'Standard' Fire System Cable
- BS 7629-1:2015 Standard 60 Fire Cable Standard
- BS EN 50200:2015+Annex E 30 mins
 - Fire, Mechanical Shock & Water - 30 mins @ 830°C (Water final 15 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
- Also BS EN 60332-3-24 & -3-25:2009 Bunched Cable Retardancy



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| Technical 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 5839-1:2013 Clause 26.2d BS EN 50200:2015 + Annex E 30 mins. BS EN 50200:2015 PH30, PH60 & PH120 BS 7629-1:2015 Standard 60 BS 6387:2013 CWZ BS EN 60754-1:2014 BS EN 61034-2:2005 | Approximate Weights 2 Core with CPC 1.0mm ² 8.0 Kg / 100 m 1.5mm ² 9.5 Kg / 100 m 2.5mm ² 14.1 Kg / 100 m 4.0mm ² 20.0 Kg / 100 m 3 Core with CPC 1.5mm ² 12.9 Kg / 100 m 2.5mm ² 19.1 Kg / 100 m 4.0mm ² 25.0 Kg / 100 m 4 Core with CPC 1.5mm ² 14.5 Kg / 100 m 2.5mm ² 22.2 Kg / 100 m 4.0mm ² 31.0 Kg / 100 m |
| Designed to comply to | Emergency Lighting Voice Alarm Systems Standard Voice Communication Standard (Risk Assessment May Demand Mechanical Protection) | BS 5266-1:2016 BS 5839-8:2013 BS 5839-9:2013 | |
| Materials | CPC (Earth) Conductors Core Insulation 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 ² CSA | |
| Resistance | 1.0mm ² CSA 1.5mm ² CSA 2.5mm ² CSA 4.0mm ² CSA | 18.1 Ohms / 1 Km 12.1 Ohms / 1 Km 7.41 Ohms / 1 Km 4.61 Ohms / 1 Km | 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) 1.0mm ² 15A 1.5mm ² 19.5A 2.5mm ² 27A 4.0mm ² 36A Enclosed (DC or Single Phase AC) 1.0mm ² 13A 1.5mm ² 16.5A 2.5mm ² 23A 4.0mm ² 30A |
| Minimum Bend Radius | Radius = 6 x Diameter | | Capacitance Rating 1.5mm ² CSA 2 Core & CPC } Core to Core - Average 70 pF/m 3 Core & CPC } Core to Screen - Average 130 pF/m 4 Core & CPC ~ Core to Core - Average 75 pF/m Core to Screen - Average 150 pF/m 2.5mm ² CSA 2 Core & CPC } Core to Core - Average 80 pF/m 3 Core & CPC } Core to Screen - Average 145 pF/m 4 Core & CPC ~ Core to Core - Average 85 pF/m Core to Screen - Average 165 pF/m |
| Operating Temp. Installation Temp. | Minimum/Maximum Minimum/Maximum | - 40°C to +90°C 0°C to +70°C | Warranty Period Identification 10 Years from Date of Manufacture Date of Manufacture Marked On Cable |
| 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 / 7.75mm 1.5mm ² / 7.85mm 2.5mm ² / 9.20mm 4.0mm ² / 11.90mm 1.5mm ² / 8.80mm 2.5mm ² / 9.70mm 4.0mm ² / 12.60mm 1.5mm ² / 9.40mm 2.5mm ² / 11.60mm 4.0mm ² / 13.75mm | |

Product Codes

Red Sheath

| Red 1.0mm ² Core & CPC (earth) | | | | | |
|--|------|---------------|------------------|--------|---------|
| Reel | Reel | Cores | Code | Pallet | Min Qty |
| 1.0mm ² | 100m | 2 Cores & CPC | VFP - 210ERH | 60 | 1 |
| 1.0mm ² | 500m | 2 Cores & CPC | VFP - 210ERH500M | 12 | 1 |
| Red 1.5mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Cores | Code | Pallet | Min Qty |
| 1.5mm ² | 100m | 2 Cores & CPC | VFP - 215ERH | 60 | 1 |
| 1.5mm ² | 100m | 3 Cores & CPC | VFP - 315ERH | 60 | 1 |
| 1.5mm ² | 100m | 4 Cores & CPC | VFP - 415ERH | 60 | 1 |
| 1.5mm ² | 200m | 2 Cores & CPC | VFP - 215ERH200M | 30 | 1 |
| 1.5mm ² | 200m | 4 Cores & CPC | VFP - 415ERH200M | 30 | 1 |
| 1.5mm ² | 500m | 2 Cores & CPC | VFP - 215ERH500M | 12 | 1 |
| 1.5mm ² | 500m | 4 Cores & CPC | VFP - 415ERH500M | 12 | 1 |
| Red 2.5mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Cores | Code | Pallet | Min Qty |
| 2.5mm ² | 100m | 2 Cores & CPC | VFP - 225ERH | 60 | 1 |
| 2.5mm ² | 100m | 3 Cores & CPC | VFP - 325ERH | 60 | 1 |
| 2.5mm ² | 100m | 4 Cores & CPC | VFP - 425ERH | 60 | 1 |
| 2.5mm ² | 200m | 2 Cores & CPC | VFP - 225ERH200M | 30 | 1 |
| 2.5mm ² | 500m | 2 Cores & CPC | VFP - 225ERH500M | 12 | 1 |
| Red 4.0mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Cores | Code | Pallet | Min Qty |
| 4.0mm ² | 100m | 2 Cores & CPC | VFP - S240ERH | 60 | 1 |

White Sheath

| White 1.0mm ² Cores & CPC (earth) | | | | | |
|--|------|---------------|------------------|--------|---------|
| Reel | Reel | Cores | Code | Pallet | Min Qty |
| 1.0mm ² | 100m | 2 Cores & CPC | VFP - 210EWH | 60 | 1 |
| 1.0mm ² | 500m | 2 Cores & CPC | VFP - 210EWH500M | 12 | 1 |
| White 1.5mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Cores | Code | Pallet | Min Qty |
| 1.5mm ² | 100m | 2 Cores & CPC | VFP - 215EWH | 60 | 1 |
| 1.5mm ² | 100m | 3 Cores & CPC | VFP - 315EWH | 60 | 1 |
| 1.5mm ² | 100m | 4 Cores & CPC | VFP - 415EWH | 60 | 1 |
| 1.5mm ² | 200m | 2 Cores & CPC | VFP - 215EWH200M | 30 | 1 |
| 1.5mm ² | 200m | 4 Cores & CPC | VFP - 415EWH200M | 30 | 1 |
| 1.5mm ² | 500m | 2 Cores & CPC | VFP - 215EWH500M | 12 | 1 |
| 1.5mm ² | 500m | 4 Cores & CPC | VFP - 415EWH500M | 12 | 1 |
| White 2.5mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Cores | Code | Pallet | Min Qty |
| 2.5mm ² | 100m | 2 Cores & CPC | VFP - 225EWH | 60 | 1 |
| 2.5mm ² | 100m | 3 Cores & CPC | VFP - 325EWH | 60 | 1 |
| 2.5mm ² | 100m | 4 Cores & CPC | VFP - 425EWH | 60 | 1 |
| 2.5mm ² | 200m | 2 Cores & CPC | VFP - 225EWH200M | 24 | 1 |
| 2.5mm ² | 500m | 2 Cores & CPC | VFP - 225EWH500M | 12 | 1 |
| White 4.0mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Cores | Code | Pallet | Min Qty |
| 4.0mm ² | 100m | 2 Cores & CPC | VFP - S240EWH | 60 | 1 |

Black Sheath

| Black | | | | | |
|--------------------|------|---------------|---------------|--------|---------|
| Reel | Reel | Cores | Code | Pallet | Min Qty |
| 1.5mm ² | 100m | 2 Cores & CPC | VFP - 215EBKH | 60 | 1 |
| 2.5mm ² | 100m | 2 Cores & CPC | VFP - 225EBKH | 60 | 1 |
| 1.5mm ² | 100m | 4 Cores & CPC | VFP - 415EBKH | 60 | 1 |



CERTIFICATION
To download full copy visit either
www.ventcroft.co.uk
or LPCB's www.redbooklive.com site
or www.basec.org.uk



Enhanced Fire Performance Cable

FIRE

VENTICROFT NoBurn[®]

ENHANCED +
Fire Performance Cable



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

Not Equivalent - Better!

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 performance standards below. Manufactured entirely and only in the UK.

NoBurn control 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.

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.

THE FASTEST CABLE TO PREPARE FOR TERMINATION

SAVE TIME AND COST

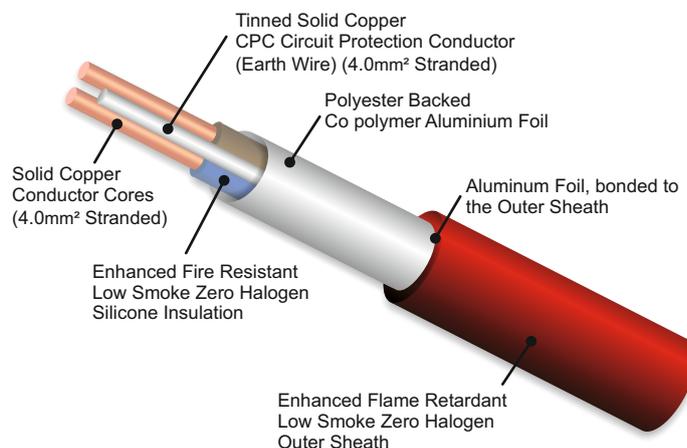
Sheath & Insulation - Low Smoke Zero Halogen



Colour Coded Easy to Handle
100m Plastic Reel
(Grey Reel = 'Enhanced' Cable)



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



► Also suitable for

- Emergency Lighting - BS 5266-1:2016
- Voice Alarm Systems - BS 5839-8:2013
- Voice Communication - BS 5839-9:2013
- Irish Emergency Lighting - IS 3217:2013
- Irish Fire - IS 3218:2013



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!

Features

- Easy to Install and Superb Working Flexibility
- Up to 12 Twists per metre for Data Protection
- Red, White, Black & Orange Outer Sheaths Available
- 2 core, 3 core & 4 core with CPC (Earth Wire)
- 1.0mm², 1.5mm², 2.5mm² & 4.0mm² Conductors
- 100m, 200m, 500m and Special Lengths Available
- Aluminium/Co-polymer EMC/Pet Foil Screen
- Low Smoke and Zero Halogen
- Voltage Rating 300v/500v
- Suitable for Air Conditioning, Computer Control & Lift Doors where Low Smoke & Zero Halogen is required

Ask about our testing & self certification to BS 8519 Category 3 Control 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, 180 mins @ 950°C. W - Fire & Water, 30 mins @ 650°C Z - Fire & Mechanical Shock, 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 |



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| Technical 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 | 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 | Approximate Weights 2 Core with CPC 1.0mm ² 8.2 Kg / 100 m 1.5mm ² 9.7Kg / 100 m 2.5mm ² 14.4 Kg / 100 m 4.0mm ² 24.0 Kg / 100 m 3 Core with CPC 1.5mm ² 13.2 Kg / 100 m 2.5mm ² 19.4 Kg / 100 m 4.0mm ² 28.0 Kg / 100 m 4 Core with CPC 1.5mm ² 14.8 Kg / 100 m 2.5mm ² 22.7 Kg / 100 m 4.0mm ² 50.0 Kg / 100 m |
| Designed to comply to | Emergency Lighting Voice Alarm Systems Standard Voice Communication Standard | BS 5266-1:2016 BS 5839-8:2013 BS 5839-9:2013 | Current Rating (Current Ratings listed are at 30°C Refer to BS7671/EE Wiring Regulations for de-rating factor) |
| Materials | CPC (Earth) Conductors Core Insulation Screening Outer Sheath | Tinned Annealed Copper Plain Annealed Copper Fire Resistant Silicone Copper Foil Low Smoke Halogen Free Thermoplastic | Cable Clipped (DC or Single Phase AC) 1.0mm ² 15A 1.5mm ² 19.5A 2.5mm ² 27A 4.0mm ² 36A Enclosed (DC or Single Phase AC) 1.0mm ² 13A 1.5mm ² 16.5A 2.5mm ² 23A 4.0mm ² 30A |
| Working Voltage | Core to Core Core to CPC | 500V 300V | Capacitance Rating 1.5mm ² CSA 2 Core & CPC } 3 Core & CPC } 4 Core & CPC ~ Core to Core - Average 70 pF/m Core to Screen - Average 130 pF/m 2.5mm ² CSA 2 Core & CPC } 3 Core & CPC } 4 Core & CPC ~ 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 |
| 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 | Warranty Period Identification 10 Years from Date of Manufacture Date of Manufacture Marked On Cable |
| Resistance | 1.0mm ² CSA 1.5mm ² CSA 2.5mm ² CSA 4.0mm ² 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 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 / 8.15mm 1.5mm ² / 8.25mm 2.5mm ² / 8.60mm 4.0mm ² / 12.10mm 1.5mm ² / 9.30mm 2.5mm ² / 9.90mm 4.0mm ² / 12.90mm 1.5mm ² / 9.70mm 2.5mm ² / 12.10mm 4.0mm ² / 13.95mm | |

Product Codes

Red Sheath

| Red 1.0mm ² Core & CPC (earth) | | | | | |
|--|------|---------------|------------------|---------|---|
| Reel | Reel | Code | Pallet | Min Qty | |
| 1.0mm ² | 100m | 2 Cores & CPC | VNP - 210ERH | 60 | 1 |
| 1.0mm ² | 500m | 2 Cores & CPC | VNP - 210ERH500M | 12 | 1 |
| Red 1.5mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Code | Pallet | Min Qty | |
| 1.5mm ² | 100m | 2 Cores & CPC | VNP - 215ERH | 60 | 1 |
| 1.5mm ² | 100m | 3 Cores & CPC | VNP - 315ERH | 60 | 1 |
| 1.5mm ² | 100m | 4 Cores & CPC | VNP - 415ERH | 60 | 1 |
| 1.5mm ² | 200m | 2 Cores & CPC | VNP - 215ERH200M | 30 | 1 |
| 1.5mm ² | 200m | 4 Cores & CPC | VNP - 415ERH200M | 30 | 1 |
| 1.5mm ² | 500m | 2 Cores & CPC | VNP - 215ERH500M | 12 | 1 |
| 1.5mm ² | 500m | 4 Cores & CPC | VNP - 415ERH500M | 12 | 1 |
| Red 2.5mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Code | Pallet | Min Qty | |
| 2.5mm ² | 100m | 2 Cores & CPC | VNP - 225ERH | 60 | 1 |
| 2.5mm ² | 100m | 3 Cores & CPC | VNP - 325ERH | 60 | 1 |
| 2.5mm ² | 100m | 4 Cores & CPC | VNP - 425ERH | 60 | 1 |
| 2.5mm ² | 200m | 2 Cores & CPC | VNP - 225ERH200M | 30 | 1 |
| 2.5mm ² | 500m | 2 Cores & CPC | VNP - 225ERH500M | 12 | 1 |
| Red 4.0mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Code | Pallet | Min Qty | |
| 4.0mm ² | 100m | 2 Cores & CPC | VNP - S240ERH | 60 | 1 |

White Sheath

| White 1.0mm ² Cores & CPC (earth) | | | | | |
|--|------|---------------|------------------|---------|---|
| Reel | Reel | Code | Pallet | Min Qty | |
| 1.0mm ² | 100m | 2 Cores & CPC | VNP - 210EWH | 60 | 1 |
| 1.0mm ² | 500m | 2 Cores & CPC | VNP - 210EWH500M | 12 | 1 |
| White 1.5mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Code | Pallet | Min Qty | |
| 1.5mm ² | 100m | 2 Cores & CPC | VNP - 215EWH | 60 | 1 |
| 1.5mm ² | 100m | 3 Cores & CPC | VNP - 315EWH | 60 | 1 |
| 1.5mm ² | 100m | 4 Cores & CPC | VNP - 415EWH | 60 | 1 |
| 1.5mm ² | 200m | 2 Cores & CPC | VNP - 215EWH200M | 30 | 1 |
| 1.5mm ² | 200m | 4 Cores & CPC | VNP - 415EWH200M | 30 | 1 |
| 1.5mm ² | 500m | 2 Cores & CPC | VNP - 215EWH500M | 12 | 1 |
| 1.5mm ² | 500m | 4 Cores & CPC | VNP - 415EWH500M | 12 | 1 |
| White 2.5mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Code | Pallet | Min Qty | |
| 2.5mm ² | 100m | 2 Cores & CPC | VNP - 225EWH | 60 | 1 |
| 2.5mm ² | 100m | 3 Cores & CPC | VNP - 325EWH | 60 | 1 |
| 2.5mm ² | 100m | 4 Cores & CPC | VNP - 425EWH | 60 | 1 |
| 2.5mm ² | 200m | 2 Cores & CPC | VNP - 225EWH200M | 24 | 1 |
| 2.5mm ² | 500m | 2 Cores & CPC | VNP - 225EWH500M | 12 | 1 |
| White 4.0mm ² Cores & CPC (earth) | | | | | |
| Reel | Reel | Code | Pallet | Min Qty | |
| 4.0mm ² | 100m | 2 Cores & CPC | VNP - S240EWH | 60 | 1 |



CERTIFICATION
To download full copy visit either
www.ventcroft.co.uk
or LPCB's www.redbooklive.com site
or www.basec.org.uk



Premium Fire Performance Cable

FIRE

VENTICROFT NoBurn®

PREMIUM
Fire Performance Cable



LPCB Ref. No. 682c/01

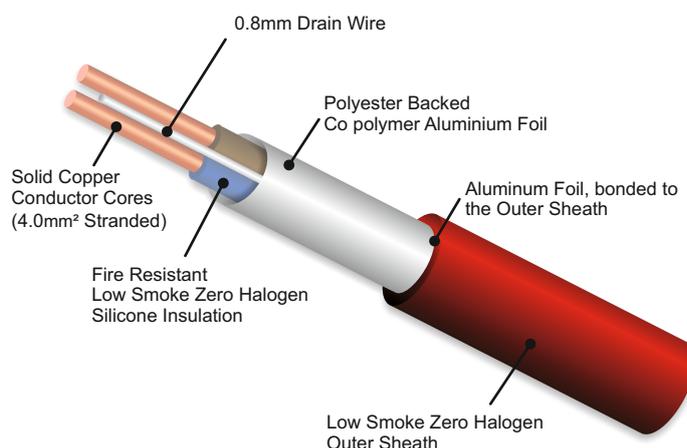
Not Equivalent - Better!

NoBurn XP Premium Fire Performance Cable has been tested and approved by LPCB to meet BS EN 50200:2015+Annex E 30 mins, BS EN 50200:2015 PH30, PH60 & PH120 and BS 6387:2013 CWZ - under fire conditions.

NoBurn XP 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 cables are marked along the entire cable length with the cable name, a unique manufacturing batch number, the time and date of manufacture, LPCB certificate approval number and fire cable test details - Full tracability for peace of mind.

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

THE FASTEST CABLE TO PREPARE FOR TERMINATION SAVE TIME AND COST



NoBurn XP format is ideally suited for use in Middle East, Asian and African markets.

Eze-Prep® 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!

Features

- ▶ Reduced Installation Time and Costs
- ▶ Easy to Install and Superb Working Flexibility
- ▶ Aluminium/Co-polymer Foil Screen
- ▶ 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
- ▶ 2 core, 3 core & 4 core Types with Drain Wire
- ▶ 0.50mm² to 4.00mm² Conductor Options
- ▶ Cable Core Twist Provides High Level Data Protection
- ▶ Voltage Rating 300v/500v

Tested and Complies with

- BS EN 50200:2015+Annex E 30 mins**
 - Fire, Mechanical Shock & Water - 30 mins @ 830°C (Water final 15 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 60332-1:2004** Single Cable Retardancy
- BS EN 60332-3-24 & -3-25:2009** Bunched Cable Retardancy
- BS 60228 Inc. Corrigendum 1** ETP1 High Grade Copper



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| Technical Specifications | | | |
|---|-------------------------------|---|---|
| Tested & Complies with | Fire Resistance Standard | BS EN 50200:2015+Annex E 30 mins | Approximate Weights |
| | Fire Resistance Standard | BS EN 50200:2015 PH30, PH60 & PH120 | |
| Materials | Fire Resistance Standard | BS 6387:2013 CWZ | 2 Core with Drain Wire |
| | Halogen Emission Standard | BS EN 60754-1:2014 | |
| | Low Smoke Standard | BS EN 61034-2:2005 | |
| | Flame Retardancy | BS EN 60332 Single & Bunched Cables | |
| | Drain Wire | Tinned Annealed Copper | |
| Working Voltage | Conductors | Plain Annealed Copper | 3 Core with Drain Wire |
| | Core to Core | 500V | |
| | Core to CPC | 300V | |
| | Core Insulation | Fire Resistant Silicone | |
| Types | Screening | Aluminium Foil | 4 Core with Drain Wire |
| | Outer Sheath | Low Smoke Halogen Free Thermoplastic | |
| | Outer Sheath Colours | Red, White or Black | |
| Resistance Maximum | Number of Cores | 2, 3 & 4 Core | Current Rating (Current Ratings listed are at 30°C Refer to BS7671/EE Wiring Regulations for de-rating factor) |
| | Inner Cores CSA | 0.50, 0.75, 1.0, 1.5 & 2.5mm ² CSA | |
| | 0.50mm ² CSA | 34.3 Ohms / 1 Km | |
| | 0.75mm ² CSA | 22.8 Ohms / 1 Km | |
| | 1.00mm ² CSA | 18.1 Ohms / 1 Km | |
| Minimum Bend Radius | 1.50mm ² CSA | 12.1 Ohms / 1 Km | Cable Clipped (DC or Single Phase AC) |
| | 2.50mm ² CSA | 7.33 Ohms / 1 Km | |
| | 0.50mm ² CSA | 83 Ohms mV / A / m | |
| | 0.75mm ² CSA | 62 Ohms mV / A / m | |
| | 1.00mm ² CSA | 44 Ohms mV / A / m | |
| Operating Temp. | Minimum/Maximum | - 40°C to +90°C | Enclosed (DC or Single Phase AC) |
| | Installation Temp. | 0°C to +70°C | |
| | 1.50mm ² CSA | 29 Ohms mV / A / m | |
| Voltage Drop (DC or Single Phase AC) | 2.50mm ² CSA | 18 Ohms mV / A / m | Capacitance Rating |
| | 0.50mm ² CSA | 83 Ohms mV / A / m | |
| | 0.75mm ² CSA | 62 Ohms mV / A / m | |
| | 1.00mm ² CSA | 44 Ohms mV / A / m | |
| | 1.50mm ² CSA | 29 Ohms mV / A / m | |
| Approximate Overall Diameter | 2 Core | 0.50mm ² / 7.55mm | 1.5mm ² CSA 2 Core & CPC 3 Core & CPC |
| | | 0.75mm ² / 7.60mm | |
| | | 1.00mm ² / 7.75mm | |
| | | 1.50mm ² / 7.85mm | |
| | | 2.50mm ² / 9.20mm | |
| | 3 Core | 0.50mm ² / 7.75mm | 2.5mm ² CSA 2 Core & CPC 3 Core & CPC |
| | | 0.75mm ² / 7.85mm | |
| | | 1.00mm ² / 7.95mm | |
| | | 1.50mm ² / 8.80mm | |
| | | 2.50mm ² / 9.70mm | |
| | 4 Core | 0.75mm ² / 8.00mm | 4 Core & CPC ~ |
| | | 1.00mm ² / 8.20mm | |
| 1.50mm ² / 9.45mm | | | |
| 2.50mm ² / 11.70mm | | | |
| | 4.00mm ² / 13.75mm | | |
| | | | Core to Core - Average 70 pF/m Core to Screen - Average 130 pF/m |
| | | | Core to Core - Average 75 pF/m Core to Screen - 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 |

Product Codes

Red Sheath

| Red 1.00mm ² Cores & 0.80mm Drain Wire | | | | | |
|---|------|-----------------|--------------|--------|---------|
| | Reel | Cores | Code | Pallet | Min Qty |
| 1.00mm ² | 100m | 2 Cores & Drain | VXP - 210DR | 60 | 1 |
| 1.00mm ² | 100m | 3 Cores & Drain | VXP - 310DR | 60 | 1 |
| 1.00mm ² | 100m | 4 Cores & Drain | VXP - 410DR | 60 | 1 |
| Red 1.50mm ² Cores & 0.80mm Drain Wire | | | | | |
| | Reel | Cores | Code | Pallet | Min Qty |
| 1.50mm ² | 100m | 2 Cores & Drain | VXP - 215DR | 60 | 1 |
| 1.50mm ² | 100m | 3 Cores & Drain | VXP - 315DR | 60 | 1 |
| 1.50mm ² | 100m | 4 Cores & Drain | VXP - 415DR | 60 | 1 |
| Red 2.50mm ² Cores & 0.80mm Drain Wire | | | | | |
| | Reel | Cores | Code | Pallet | Min Qty |
| 2.50mm ² | 100m | 2 Cores & Drain | VXP - 225DR | 60 | 1 |
| 2.50mm ² | 100m | 3 Cores & Drain | VXP - 325DR | 60 | 1 |
| 2.50mm ² | 100m | 4 Cores & Drain | VXP - 425DR | 60 | 1 |
| Red 4.00mm ² Core & 0.80mm Drain Wire | | | | | |
| | Reel | Cores | Code | Pallet | Min Qty |
| 4.00mm ² | 100m | 2 Cores & Drain | VXP - S240DR | 60 | 1 |
| 4.00mm ² | 100m | 3 Cores & Drain | VXP - S340DR | 60 | 1 |
| 4.00mm ² | 100m | 4 Cores & Drain | VXP - S440DR | 60 | 1 |

Black Sheath

| Black with 0.80mm Drain Wire | | | | | |
|------------------------------|------|-----------------|--------------|--------|---------|
| | Reel | Cores | Code | Pallet | Min Qty |
| 1.00mm ² | 100m | 2 Cores & Drain | VXP - 210DBK | 60 | 1 |
| 1.50mm ² | 100m | 2 Cores & Drain | VXP - 215DBK | 60 | 1 |

White Sheath

| White 1.00mm ² Cores & 0.80mm Drain Wire | | | | | |
|---|------|-----------------|--------------|--------|---------|
| | Reel | Cores | Code | Pallet | Min Qty |
| 1.00mm ² | 100m | 2 Cores & Drain | VXP - 210DW | 60 | 1 |
| 1.00mm ² | 100m | 3 Cores & Drain | VXP - 310DW | 60 | 1 |
| 1.00mm ² | 100m | 4 Cores & Drain | VXP - 410DW | 60 | 1 |
| White 1.50mm ² Cores & 0.80mm Drain Wire | | | | | |
| | Reel | Cores | Code | Pallet | Min Qty |
| 1.50mm ² | 100m | 2 Cores & Drain | VXP - 215DW | 60 | 1 |
| 1.50mm ² | 100m | 3 Cores & Drain | VXP - 315DW | 60 | 1 |
| 1.50mm ² | 100m | 4 Cores & Drain | VXP - 415DW | 60 | 1 |
| White 2.50mm ² Cores & 0.80mm Drain Wire | | | | | |
| | Reel | Cores | Code | Pallet | Min Qty |
| 2.50mm ² | 100m | 2 Cores & Drain | VXP - 225DW | 60 | 1 |
| 2.50mm ² | 100m | 3 Cores & Drain | VXP - 325DW | 60 | 1 |
| 2.50mm ² | 100m | 4 Cores & Drain | VXP - 425DW | 60 | 1 |
| White 0.50mm ² Core & 0.80mm Drain Wire | | | | | |
| | Reel | Cores | Code | Pallet | Min Qty |
| 4.00mm ² | 100m | 2 Cores & Drain | VXP - S240DW | 60 | 1 |
| 4.00mm ² | 100m | 3 Cores & Drain | VXP - S340DW | 60 | 1 |
| 4.00mm ² | 100m | 4 Cores & Drain | VXP - S440DW | 60 | 1 |

0.50mm² & 0.75mm² Conductors in 2, 3 & 4 Core Versions are available in all Sheath colours - MOQ applies.



CERTIFICATION
To download full copy visit either
www.ventcroft.co.uk
or LPCB's www.redbooklive.com site

FIRE Fire Cable Clips and 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.

Coating resistant to cracking when bent under normal use.

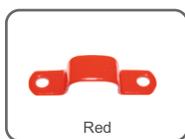
P Clips and Saddle Clips are available in colours Red, White and Black.

Plastic Cable Clips must not to be used at anytime as the main support for fire performance Cables.

Ensure your installation of fire cable meets the requirements of BS 5839:2013.

Copper Cable Clips with Coating. Complies to:-

- ▶ BS 476 Pt.6 Fire Propagation
- ▶ BS 476 Pt.7 Surface Spread of Flame
- ▶ UL94 Vertical Burn Test
- ▶ Meets the cable support requirements of BS 5839-1:2013
- ▶ CE Compliant



Strong, Malleable & Fast to Install

Product Codes

| Red | Equivalent | 1.0mm ² | 1.5mm ² | 2.5mm ² | 4.0mm ² | 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 & 3 Core | | VCA - C9SR |
| Single Cable P Clip | 37 | | 7 Core | 4 Core | | VCA - C11SR |
| Single Cable P Clip | 40 | | | 7 Core | 2 Core & 3 Core | VCA - C12SR |
| Single Cable P Clip | 43 | | | | 4 Core | VCA - C15SR |
| | SWG Size | | | | | |
| Red | Equivalent | 1.0mm ² | 1.5mm ² | 2.5mm ² | 4.0mm ² | Code |
| Double Cable Saddle | | 2 Core & 3 Core | 2 Core | | | VCA - S8DR |
| Double Cable Saddle | | 4 Core | 3 Core & 4 Core | 2 Core & 3 Core | | VCA - S9DR |
| Double Cable Saddle | | | | 4 Core | 2 Core & 3 Core | VCA - S11DR |
| White | Equivalent | 1.0mm ² | 1.5mm ² | 2.5mm ² | 4.0mm ² | 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 & 3 Core | | VCA - C9SW |
| Single Cable P Clip | 37 | | 7 Core | 4 Core | | VCA - C11SW |
| Single Cable P Clip | 40 | | | 7 Core | 2 Core & 3 Core | VCA - C12SW |
| Single Cable P Clip | 43 | | | | 4 Core | VCA - C15SW |
| | SWG Size | | | | | |
| White | Equivalent | 1.0mm ² | 1.5mm ² | 2.5mm ² | 4.0mm ² | Code |
| Double Cable Saddle | | 2 Core & 3 Core | 2 Core | | | VCA - S8DW |
| Double Cable Saddle | | 4 Core | 3 Core & 4 Core | 2 Core & 3 Core | | VCA - S9DW |
| Double Cable Saddle | | | | 4 Core | 2 Core & 3 Core | VCA - S11DW |
| Black | Equivalent | 1.0mm ² | 1.5mm ² | 2.5mm ² | 4.0mm ² | Code |
| Single Cable P Clip | 32 | 2 Core & 3 Core | 2 Core | | | VCA - C7SBK |
| Single Cable P Clip | 34 | 4 Core | 3 Cores & 4 Core | 2 Core & 3 Core | | VCA - C9SBK |
| | SWG Size | | | | | |
| Black | Equivalent | 1.0mm ² | 1.5mm ² | 2.5mm ² | 4.0mm ² | Code |
| Double Cable Saddle | | 2 Core & 3 Core | 2 Core | | | VCA - S8DBK |
| Double Cable Saddle | | 4 Core | 3 Core & 4 Core | 2 Core & 3 Core | | VCA - S9DBK |

*Note: Clip size for Enhanced Fire Cable may be different



BS 4737-3.30:2015 Compliance

Manufactured in the UK

100% Tinned Copper Conductors
Core Resistance & Quality

Over 30 years experience of quality intruder cable manufacturing in the United Kingdom.

Our Intruder Alarm cable is manufactured to British & European standards required by BS 4737-3.30:2015 & DD CLS/TS EN 50131-7:2010 and insulated with high grade PVC & LSZH materials for assured flexibility.

Pro-Supreme LSZH, Pro-Supreme and Pro-Standard cable ranges - Specifically designed & tailored to suit the individual performance and price requirements of contractors installing and servicing domestic & light commercial systems and high security & large commercial alarm systems requiring Type 1, Type 2 & Type 3 BS 4737-3.30:2015 alarm cables.

PRO-SUPREME ALARM CABLE LSZH TYPE 1

7 Strands of Grade 1 Tinned Copper. CPR compliant.

- Core resistance less than 100 Ohms per km. Longer cable runs for External Sounder & Strobe Operation.
- Low Smoke & Zero Halogen Sheath and Insulation materials. LSZH protects people and equipment from life threatening smoke and toxic and corrosive gas in the event of fire. PRO-Supreme LSZH complies with BS EN 60754-1 Halogen & BS EN 61034-2 Smoke emission Standards.
- Flame retardant to BS EN 60332-1-2, the cable sheath self extinguishes under fire conditions preventing propagation of fire.
- **Green** Identification Ripcord.

PRO-SUPREME ALARM CABLE PVC TYPE 2

7 Strands of Grade 1 Tinned Copper. CPR compliant.

- Core resistance less than 100 Ohms per km. Longer cable runs for External Sounder & Strobe Operation.
- High grade PVC Type TI 1 insulation and Type 6 Sheath to BS EN 50363-4-1.
- **Red** Identification Ripcord.

SCREENED PRO-Supreme Types also available with Aluminium EMC/Pet Foil Screen & Drain Wire.

PRO-STANDARD ALARM CABLE PVC TYPE 3

7 Strands of Grade 1 Tinned Copper. CPR compliant.

- Core resistance less than 155 Ohms per km.
- High grade PVC Type TI 1 insulation and Type 6 Sheath to BS EN 50363-4-1.
- **Yellow** Identification Ripcord.

Range

Available on 100m & 500m Reels
Large Range Available from Stock
4, 6, 8 and 12 core profiled cables
RoHS & REACH Compliant, Lead & Tin Free Outer Sheath
White or Brown Sheath types available

Technical Specifications

Operating Temperature -50 to +70 degrees C.
Current Rating - 1 Amp.
Maximum Voltage - 50v.
Polyester Identification Ripcord of not less than 40 N

Cables to meet all NEW BS 4737-3.30:2015 Types



**Supplied on user
Friendly Plastic Reels**

CPR (Construction Product Regulation). Union intruder alarm cables have been tested by BASEC to meet the requirements of EN 50575, and classified to level Eca for reaction to fire with no dangerous substances produced. A Declaration of Performance for each range is available. The CE Mark is applied to all Union Cable products as our declaration the product complies with the essential requirements of CPR and relevant European health, safety and environmental product regulations.

All types suitable for use with security device levels of BS EN 50131

Our light bunching process minimises accidental cable distress when pulling through and during cable installation fixing.

Our Cable

The continued growth in demand for our cables is proof that our expertise, investment and commitment has resulted in the highest quality, most user friendly and competitive fire and intruder cables manufactured in the UK.

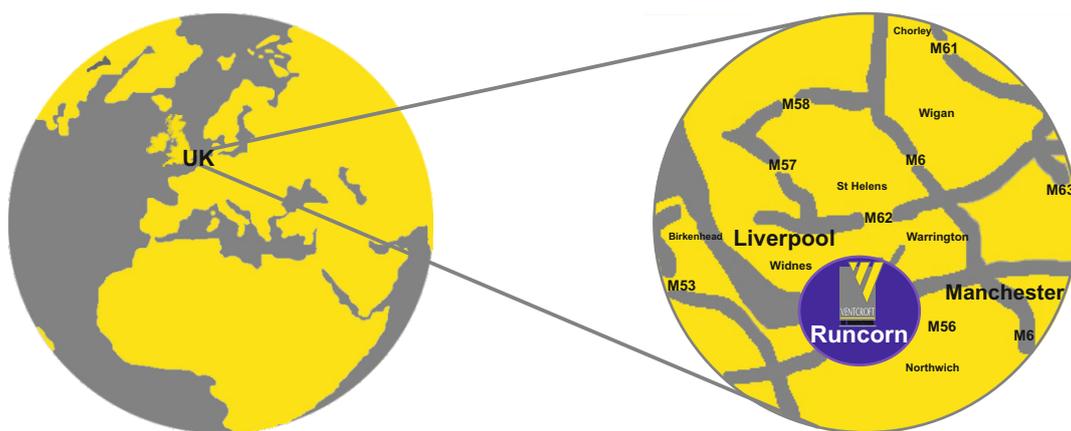
We recently built and moved to an expanded purpose built cable manufacturing factory which houses the most modern manufacturing plant and test labs for BS 5839 soft skin cables in the World.

As one of the largest independent fire & security manufacturers in the UK, we are proud of our unique level of investment in new, state of the art cable manufacturing plant which includes robotic engineering and CCTV controlled finishing of our fire cable - enabling us to manufacture cable more economically, faster and more reliably without compromising quality.

Our management and staff are so proud of our operation; we welcome you to visit our factory to see for yourself every stage of our cable manufacturing process. Take a tour of our design, development, testing and quality control laboratory, and see our cable being manufactured with our state of the art, fully automated production plant, and review the care we take to ensure every reel is made to the same high quality every time. Check for yourself our ability to trace every part of the process and all materials used – from who loaded the van with your order or if so needed, which mine in the world the copper in your cable came from. Every reel of NoBurn fire cable carries its own individual batch number for full traceability.

Experience and care is what makes us a better supplier than our competitors and what makes Ventcroft a world class manufacturer. We welcome future and existing customers to our facility at Runcorn to meet the team behind the world's fastest growing fire cable manufacturer.

For more than two decades the Ventcroft team have developed, and continue to maintain the standards of our fire and security product cable range, and we have taken pride in our user friendly features, quality and reliability the products offer. At Ventcroft we appreciate just how important our customers are. If you ask and we can – we will, if you ask and we can't, we will try and find out how we can – no matter what the question.



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