Ventcroft Ltd. Faraday Road, Astmoor Industrial Estate, Runcorn, Cheshire, WA7 1PE, United Kingdom. Tel: +44 (0)1928 581098, Fax: +44 (0)1928 581099

www.ventcroft.co.uk
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YEARS0

Specifications

Ventcroft NoBurn Platinum 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.

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.

The Fastest Fire Cable

to Install

LPCB & BASEC approved to ‘Standard’ Fire Cable BS 5839-1:2013 Clause 26.2d
Fire Resistance Standard BS EN 50200:2006+Annex E 30 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
(Risk Assessment May Demand Mechanical Protection)

Materials CPC (Earth) Tinned Annealed Copper
Conductors Plain Annealed Copper
Core Installation Fire Resistant Silicone
Screening Aluminium Foil
Outer Sheath Low Smoke Halogen Free Thermoplastic

Working Voltage Core to Core 500V
Core to CPC 300V

Types Outer Sheath Colours Red, White, Black or Orange
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 / 1 Km
1.5mm² CSA 12.1 Ohms / 1 Km
2.5mm² CSA 7.41 Ohms / 1 Km
4.0mm² CSA 4.61 Ohms / 1 Km

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 2 Core 1.0mm² / 7.35mm
Overall Diameter 1.5mm² / 7.60mm
2.5mm² / 9.00mm
4.0mm² / 10.90mm

3 Core 1.0mm² / 7.95mm
1.5mm² / 8.75mm
2.5mm² / 9.50mm
4.0mm² / 12.50mm

4 Core 1.0mm² / 8.20mm
1.5mm² / 9.00mm
2.5mm² / 11.40mm
4.0mm² / 13.75mm

Approximate 2 Core with CPC 1.0mm² 8.0 Kg / 100 m
Weights 1.5mm² 9.5 Kg / 100 m
2.5mm² 14.1 Kg / 100 m
4.0mm² 20.0 Kg / 100 m

3 Core with CPC 1.0mm² 9.5 Kg / 100 m
1.5mm² 12.9 Kg / 100 m
2.5mm² 19.1 Kg / 100 m
4.0mm² 25.0 Kg / 100 m

4 Core with CPC 1.0mm² 10.9 Kg / 100 m
1.5mm² 14.5 Kg / 100 m
2.5mm² 22.2 Kg / 100 m
4.0mm² 31.0 Kg / 100 m

Current Rating Cable Clipped 1.0mm² 15A
(Current Ratings listed are at 30°C (DC or Single Phase AC) 1.5mm² 19.5A
Refer to BS7671/EE Wiring 2.5mm² 27A
Regulations for de-rating factor.) 4.0mm² 36A

Enclosed 1.0mm² 13A
(DC or Single Phase AC) 1.5mm² 16.5A
2.5mm² 23A
4.0mm² 30A

Capacitance Rating 1.5mm² 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
2.5mm² 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

Warranty Period 10 Years from Date of Manufacture
Identification Date of Manufacture Marked On Cable

4.0mm² / 13.75m

Approximate 2 Core with CPC