



CB-0021A
CB-0025A
CB-0040A
CB-0060A
CB-0021A-1
CB-0025A-1

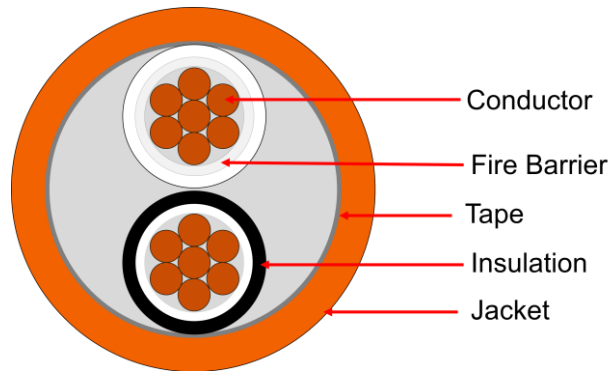


FIRE RESISTANT UNSHIELDED TWISTED PAIR CABLE

Scope of Applications

LINK Fire Resistant Unshielded Twisted Pair Cable is designed to maintain circuit integrity during fire conditions and complies with BS 6387 Category CWZ, ensuring resistance to fire alone, fire with water, and fire with mechanical shock. It is suitable for use in fire alarm systems, smoke detectors, alarm bells, exit and emergency lighting, central fire control systems, control circuits, and security applications

Drawing



Technical Standards

- IEC 60502-1, IEC 60228 Class 2
- BS EN 50288-7, BS 6360 Class 2
- IEC 60331-21, BS6387 Category CWZ
- IEC 60332-3-22
- IEC 60754-1, IEC 60754-2
- IEC 61034-2
- RoHS compliant

Applications Support

- Fire Alarm System
- Smoke Detector
- Bell or Exit lighting
- Critical Central Fire Systems
- Control Circuits
- Security system

Cable Construction

Conductor	Material	Annealed Stranded Bare Copper
Fire Resistant Barrier	Material	covered with double layers of mica tape.
Insulation	Material	Cross-linked polyethylene (XLPE)
	Color	Black and White
Tape	Material	Polyester Tape + Isolation Wrap
Jacket	Material	Low Smoke Zero Halogen (LSZH)
	Color	Orange

Technical Specification

Part Number	No. of pair	Conductor Diameter (mm ²)	Insulation Diameter (mm)	Jacket Thickness (mm)	Jacket Diameter (mm)	Conductor Resistance (Ohms/km)
CB-0021A	1	1.5	3.4 ±0.30	1.30 ±0.05	9.30 ±0.40	≤ 12.10
CB-0025A	1	2.5	4.10±0.30	1.40 ±0.05	10.70 ±0.50	≤ 7.41
CB-0040A	1	4.0	5.00±0.40	1.40 ±0.05	12.90 ±0.50	≤ 4.61
CB-0060A	1	6.0	5.50±0.40	1.40 ±0.05	14.30 ±0.50	≤3.08

Special Feature Parameters

Operating Temperature	-15°C to 90°C
Installation Temperature	-0°C to 50°C
Short Circuit Temperature	250 °C
Rate Voltage	600/1000V
Minimum Bending Radius	≥ 6x OD
Voltage Test	2000 V/min
Min. Insulation resistance at 20°C	2000 Ohm/km
Fire Resistant Test (SS299/BS6387 Cat CWZ)	No rupture of the fuse at 950°C for 3 hours
Reference Standard	IEC 60502-1, BS 6360 Class2 BS EN 50288-7
Circuit Integrity	IEC 60331-21, BS 6387 -Cat C, W, Z
Flame resistance	IEC 60332-3-22
Halogen-free	IEC 60754-1, IEC 60754-2
Low Smoke Density	IEC 61034-2

Order Information

Part number	Description	Color	Length	Package
CB-0021A	Fire Resistant Cable 2x1.5 mm ² , 1Pair	Orange	500 m	Roll.
CB-0025A	Fire Resistant Cable 2x2.5 mm ² , 1Pair	Orange	500 m	Roll.
CB-0040A	Fire Resistant Cable 2x4.0 mm ² , 1Pair	Orange	500 m	Roll.
CB-0060A	Fire Resistant Cable 2x6.0 mm ² , 1Pair	Orange	500 m	Roll.
CB-0021A-1	Fire Resistant Cable 2x1.5 mm ² , 1Pair	Orange	100 m	Roll.
CB-0025A-1	Fire Resistant Cable 2x2.5 mm ² , 1Pair	Orange	100 m	Roll.

Specifications subject to change without notice.

© 2023 LINK CORP. ALL RIGHTS RESERVED

www.linkcable.com

CB-002XA-V1.1-290825