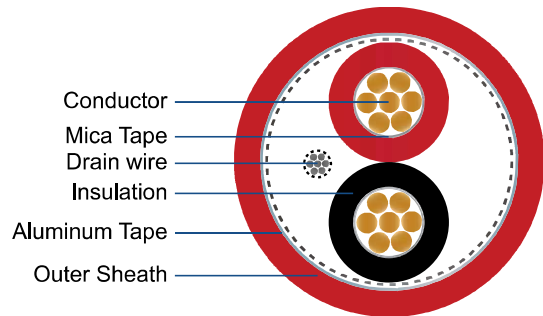


SHIELDED FIRE RESISTANT DATA CABLE

Mica Fire Barrier



Description

- Multipair twisted cable with Mica tape, Aluminum Mylar Tape Shield and Drain wire
- Low level of line attenuations and low mutual capacitances enable long transmission distances
- Packaged on Wooden Reel
- ISO 9001 : 2015, ISO 14001 : 2015 and RoHS compliant

Application

- Internal wiring of electronic equipment, transmission measurement and control signals with minimum noise.
- Industrial, Data, Interconnect
- BMS, Public Address systems
- Optimized for Fire Alarm system
- *This product is not permitted for use in power applications.*

Technical Data

Application standard	BS EN 50288-7:2005
Temperature range	-20° C to +90° C
Operating peak Voltage (not for power application)	300/ 500 V 600/1000 V (option available on request)
Test voltage	2000 V
Minimum bending radius	Fixed 7.5 x cable Ø
Insulation resistance	> 5000 MΩxkm
Mutual capacitance	C/C: < 100 pF/m C/S: < 200 pF/m
Inductance	< 0.3 mH/km
Impedance	60 Ω

Cable Structure

- **Conductor:** Bare copper conductor, multiple wired according to IEC 60228 (Class 2/ Class 5) or ASTM (B 3/ B 33).
- **Fire barrier:** MICA tape.
- **Core Insulation:** XLPE (acc. to EN 50290-2-29) or LSZH (acc. to EN 50290-2-27). *Cores are twisted together in pairs.*
- **Overall Screen:** Aluminum Mylar tape over tinned copper stranded drain wire.
- **Outer sheath:** FR-PVC (acc. to EN 50290-2-22) or LSZH (acc. to EN 50290-2-27). Red color.

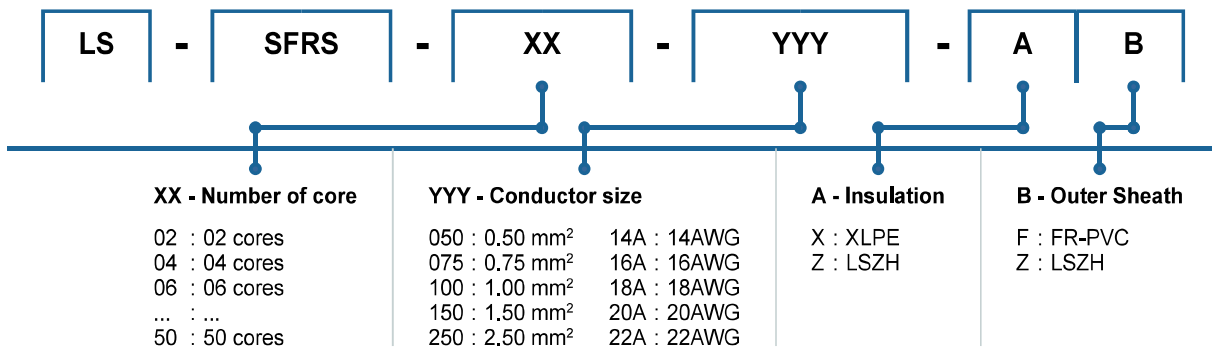
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Tests

- Fire resistant according to IEC 60331-21 / BS 6387 (Cat. CWZ)
- Flame retardant according to IEC 60332-1-2
- Flame test on bunched wires according to IEC 60332-3-24 (Cat. C)
- Flame test on bunched wires according to IEC 60332-3-22 (Cat. A)
- Corrosiveness of combustion gases according to IEC 60754-2
- Smoke density according to IEC 61034-1
- Halogen-free according to IEC 60754-1
- Oil resistant according to IEC 60811-404
- Suitable for usage in explosive atmospheres acc. to IEC 60079-14 sec. 16.2.2

Part Number



* Other conductor sizes are available upon request: 125 (1.25mm²), 200 (2.00mm²), 24A (24AWG) ... etc.

Core Identification

02 cores: Black/ Red
 04 cores: Black/ Red + Black/ White
 06 up to 50(+) cores: Black + Numbered

AWG to mm²

The conductor is metrically (mm²) or American Wire Gauge (AWG) constructed.
 The AWG to mm² conversion is approximate and purely informative.

AWG	mm ²	AWG	mm ²
20	0.5	14	2.5
18	0.75	12	4
17	1.0	10	6
16	1.5	8	10