

Indoor Mono Tube Fire Resistant Cable - Singlemode

Product Details:

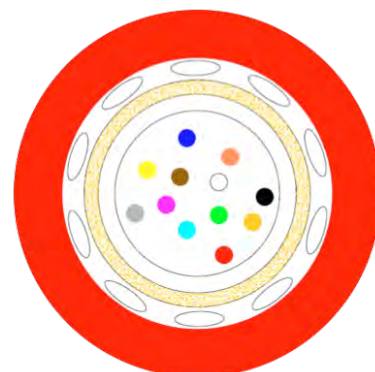
A fire resistant mono tube cable featuring heat resistant Mica tape, glass yarns and an LSZH jacket making it suitable for use in applications such as fire alarm systems, requiring up to 120 minutes of fire resistance in accordance with IEC 60331-25.

Features and Benefits:

- Fire resistant to IEC 60331-25 @ 750°C 120 minutes
- Heat resistant Mica tape
- Red LSZH UV resistant jacket
- Aramid glass yarns provide protection and strength
- Mono tube gel filled construction

Physical Characteristics:

Number of Fibres	6	12
Number of Fibres per Tube	up to 12	
Number of Elements	1	
Tube/Filler Diameter	2.8mm	
Nominal Cable Diameter	7.5mm	
Nominal Cable Weight	60kg/km	
Max. Tensile Strength	2.0kN	
Max. Crush Resistance	2.5kN/100mm (Long Term)	
Max. Impact	10 Joules	
Min. Bending Radius	15 x cable OD Installation	10 x cable OD Long term
Temperature Range	Storage: -40° to 70°C	Installation: -5° to 50°C Operation: -30° to 70°C
Waterblocking	Thixotropic Gel filled tube	
Fire Protection Material	Mica Tape	
Rodent Protection	Glass Yarns	
Outer Sheath	Material: UV Resistant LSZH. Colour: Red	
Flame Retardant	IEC 60332-1	
Fire Retardant	IEC 60332-3-24	
Fire Resistance	IEC 60331-25 120 minutes @ 750°C Max Attenuation 0.5dB	



Identification:

Fibre & Buffer Colour Code Chart

No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua

Fillers are either natural (opaque) or black, jelly filled tubes (with no fibres) are also used.

Optical Characteristics - Singlemode Low Water Peak:

Compliant with the following standards: ISO/IEC 11801, IEC 60793-2-50, ITU-T G652.D	
Optical Properties	
Fibre Type	SM/OS2
ITU-T Standard	G.652.D
Mode Field Diameter	8.6-9.4um @1310nm 9.6-10.6um @1550nm
Cladding Diameter	125.0 +/- 0.7um
Buffer Diameter	242 +/- 7um
Max. Attenuation of Cable	
@ 1310nm	0.35dB/km
@ 1383nm	0.35dB/km
@ 1550nm	0.25dB/km
@ 1625nm	0.38dB/km

Ordering Information:

Number of Cores	SM/OS2
6	CAB-MT-06-SMFR
12	CAB-MT-12-SMFR