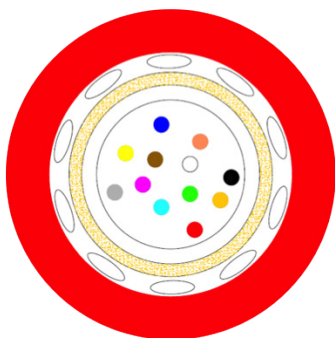


Indoor/Outdoor Mono Tube Fire Resistant Cable - Singlemode



PRODUCT INFORMATION

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 & 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 (mm)	2.8			
Nominal Cable Diameter (mm)	7.5			
Nominal Cable Weight (kg/km)	60			
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 (°C)	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			

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where shown, may not be to scale. Dimensions are metric and size maybe approximate. Where possible data sheets including MSDS are made available on our website and apps. All products should be installed and used in accordance to manufacturer's instruction provided. Warning: products may be subject of registered designs and patents. Refer to our website or apps for terms and conditions on warranty.

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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