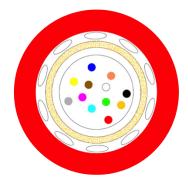




# Indoor/Outdoor Mono Tube Fire Resistant Cable - Multimode



### **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	Міса Таре					
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					

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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 - MULTIMODE GRADED INDEX**

Compliant with the following standards:	ISO/IEC 11801, ITU-T G.651.1					
Optical Properties						
Fibre Type	0М3					
IEC Standard	11801					
Core Diameter	50um					
Cladding Diameter	125um					
Buffer Diameter	242um					
Max. Attenuation of Cable						
@ 850nm	2.8dB/km					
@ 1300nm	0.8dB/km					

#### **ORDERING INFORMATION**

Number of Cores	0M3
6	CAB-MT-06-MM3FR
12	CAB-MT-12-MM3FR

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