

### Indoor Mono Tube Fire Resistant Cable - Singlemode

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#### **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	75mm					
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					

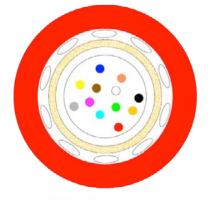
#### **Identification:**

#### 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.

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.



**MSS fibre** 

For full product specifications contact MSS FIBRE SYSTEMS on **1300 367 538** Email: **sales@mssfibre.com.au** | Visit: **www.mssfibre.com.au** 



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## **Optical Characteristics - Singlemode Low Water Peak:**

Compliant with the following s	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

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