MSS fit

Fire Resistant

MSS Fire Resistant Optical Cable Product Details:

LUXFIRE[™] cables are the outmost solution for fire resistant applications. Being fully compliant to IEC 60331-25, and verified by warringtonfire, this optical cable family can withstand 90 minutes of fire with a maximum increase of attenuation of 0.5 dB/fibre. Typical applications include fire alarm systems, safety and surveillance networks, railways and tunnels. LUXFIRE™ cable structure features a fully dielectric single or multi tube loose solution, with glass yarns armouring and halogen free jacket. Capacity ranges from 2 to 72 fibres, SM/R, 50/125 or 62.5/125.



Mono Tube



Construction:

Fibre Count	e Count Structure Type Tubes		bes	Fibres/Tube
		Total	Filler	
2-24	A	1	0	2-24
48	В	6	2	12
60	B	6	1	12
72	В	6	0	12

Construction Details:

Tube:	PBTP filled with jelly	
Protection:	Flame barrier	
Assembling:	Thermoplastic resin coated glassline + coloured tubes (SZ) stranded (B construction only	
Protection:	Glass yarns	
Jacket:	Red LSZH flame retardant	

Physical Characteristics (weights and dimensions):

Fibre Count	Nominal Diameter	Nominal Weight	
2-12	8,00 mm	65 kg/km	
12-24	9,00 mm	80 kg/km	-
48	12,50 mm	150 kg/km	
60	12,50 mm	150 kg/km	
72	12,50 mm	150 kg/km	

Mechanical Tests:

	2-12 Fibres	12-24 Fibres	48-72 Fibres
Tensile performance [N]	1500	2000	3000
Crush [N/100mm]:	2000		
Impact energy [J]:	10		
Temperature cycling:	-20°C - +60°C		

Ordering Information:

Fibres	Single Mode	OM1	OM3	
2	CAB-MT-02-SMFR			
6	CAB-MT-06-SMFR	CAB-MT-06-MMFR	CAB-MT-06-MM3FR	
8	CAB-MT-08-SMFR		CAB-MT-08-MM3FR	
12	CAB-MT-12-SMFR	CAB-MT-12-MMFR		
24		CAB-MT-24-MMFR		



Fire Performance:

- IEC 60331-25
- IEC 60332-1
- IEC 60332.3C
- IEC 1034-1/2
- IEC 745-1/2

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.

