

Multi Loose Tube Fire Resistant Cable

Up to 72 fibre, 6 element dry core OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-T G.652D) singlemode 250µm multi loose tube metallic armoured internal/external duct and direct burial cables with aramid strength members, and Low Smoke Zero Halogen (LSZH) jacket.

The 6 element multi loose tube cable construction consists of up to 72, 250 µm optical fibres in 12 fibre gel filled loose tubes and fillers where appropriate, SZ stranded around a Fibre Reinforced Plastic (FRP) central strength member with waterswellable threads and waterswellable tape. Helically applied waterblocking aramid non metallic strength members with ripcord. Corrugated Steel Tape (CST) armouring and black Low Smoke Zero Halogen (LSZH) fire resistant jacket.



Features

- Choice of fibre types
- Colour coded fibres
- CST armouring for enhanced impact and crush resistance
- Compact 250 µm loose tube construction
- Flame retardant LSZH jacket for enhanced fire performance to IEC 60331-25

Applications

- Suitable for internal/external duct, tunnels and direct burial applications
- Ideal for use in alpine tunnels, security/safety systems and applications which require data transfer during the event of a fire

Specification

PARAMETER	UNIT	VALUE
Crush	N/100mm	5000
Strength member		FRP/Aramid
Storage temperature	°C	-30 to 70
Installation temperature	°C	-5 to 50
Operating temperature	°C	-30 to 70
Nominal weight	kg/km	200
Fibre count	n	72
Nominal outer diameter	mm	12.0 ± 0.3
Maximum tensile load (Short term)	N	7000
Maximum tensile load (Long term)	N	3500
Minimum bend radius	mm	Installed
		180
		Loaded
		240
Drum length	km	2
Solid wooden drum dimensions (Flange, Barrel, Width) 2km	mm (approx)	F1000,
		B510,
		W690
Drum weight with cable 2km	kg (approx)	418

Ordering Information

PRODUCT DESCRIPTION	PART NUMBER
OM1 250 µm 6el multi tube CST LSZH FR cable	OM1MLTSTA**UBK-FR
OM2 250 µm 6el multi tube CST LSZH FR cable	OM2MLTSTA**UBK-FR
OM3 250 µm 6el multi tube CST LSZH FR cable	OM3MLTSTA**UBK-FR
OM4 250 µm 6el multi tube CST LSZH FR cable	OM4MLTSTA**UBK-FR
OS1/OS2 ITU-T G.652D 250 µm 6el multi tube CST LSZH FR cable	OS1MLTSTA**UBK-FR

Where ** is the fibre count up to 72

Technical Drawing

