

FO Cables—Multi Loose Tube Cable

Signamax Multi Loose Tube cables are suitable for internal and external duct use, ideal for campus links without the need for transition cable splicing, on-site fiber splicing. Cable construction consists of up to 144, 250 µm coated fibers are contained within colour-coded tubes of 12 fibers each with gel and the requisite number of filler tubes is stranded around a central strength member. These are bound by water-blocking tape and E-Glass non metallic strength members with ripcord and black high density polyethylene (HDPE) or Low Smoke Zero Halogen (LSZH) jacket.

BENEFITS

- Choice of fiber types
- Colour coded fibers
- Compact 250 µm loose tube construction
- PE jacket for environmental protection and water permeation resistance
- Flame retardant LSZH jacket option for enhanced fire performance

APPLICATIONS

- Suitable for external duct applications
- Suitable for applications where environmental resistance is required



Technical Specifications

DESCRIPTION	48-CORE LSZH/PE	72-CORE LSZH/PE	96-CORE LSZH/PE	144-CORE LSZH/PE	FEATURES	
Outer Diameter (mm)	10.5 ±0.3	11.1 ±0.3	12.6 ±0.3	15.6 ±0.3	OS1	✓
Weight (kg/km)	90	97	121	178	OM1	✓
Max. Load (installation) (N)	1,500	1,500	1,500	1,500	OM2	✓
Max. Load (installed) (N)	600	600	600	600	OM3	✓
Min. Bend Radius (installation) (mm)	210	220	250	310	OM4	✓
Min. Bend Radius (installed) (mm)	105	110	125	155	Internal Use	✓
Fire Performance	IEC 60332-1				External Use	✓
Operating Temp. (°C)	-30 to +70	-30 to +70	-30 to +70	-30 to +70	Fire Retardant	✓
Storage Temp. (°C)	-40 to +60	-40 to +60	-40 to +60	-40 to +60	Water Resistant	✓
Installation Temp. (°C)	-5 to +40	-5 to +40	-5 to +40	-5 to +40	Rodent Resistant	✓
Crush Resistance	2,000	2,000	2,000	2,000	Armored	✗

Multi Loose Tube Cables Parameters

FIBRE GRADE	CONSTRUCTION	JACKET	FIBER COUNT
OM1 62.5/125, MM	MLT = Multi Loose Tube	LSZH	48 core
OM2 50/125, MM		PE	72 core
OM3 50/125, MM enh			96 core
OM4 50/125, MM 10G+			144 core
OS1 09/125, SM			