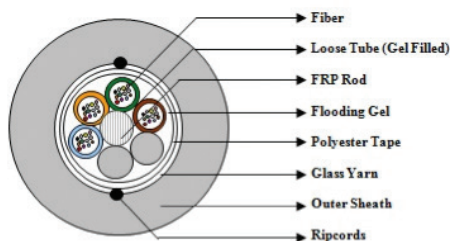
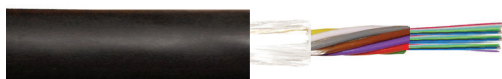


48F SINGLEMODE MULTITUBE



Applications

- Underground duct and lashed aerial
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul and broadband network

Features

- Durable design for reliable transmission performance over a broad temperature range
- Rip cord for ease of entry
- Small cable diameter

Optical Fibre Characteristics	
Fibre Type	G.652D (OS2)
Attenuation at 1310 nm	≤ 0.38 dB/km
Attenuation at 1550 nm	≤ 0.25 dB/km
Chromatic Dispersion 1285 - 1330 nm	≤ 3.5 ps/nm.km
Chromatic Dispersion 1550 nm	≤ 18 ps/nm.km
Zero Dispersion Wavelength	1300 - 1324 nm
Zero Dispersion Slope	≤ 0.092 ps/nm ² .km
Polarisation Mode Dispersion	≤ 0.2 ps/√km
Cut-off Wavelength I _{cc}	≤ 1260 nm
Mode Field Diameter at 1310 nm	9.2 ± 0.4 μm
Core Cladding Concentricity Error	≤ 0.8 μm
Cladding Diameter	125 ± 1 μm
Cladding Non-circularity	≤ 1 %
Coating Diameter (Uncolored)	245 ± 10 μm

Ordering information	
48-SM-MLT-UA	48 fibers Single Mode multitube cable

Cable construction details	
Number of Fibers per tube	12
Number of Loose Tubes	4
Loose Tube ID/OD	1.3/2.0 ± 0.1 mm PBT
Central Strength Member	2.1 ± 0.1 mm FRP Rod
Number of Fillers	2 HDPE Black
Moisture Barrier	Flooding Gel
Core Wrapping	Polyester Tape
Peripheral Strength Member	Glass Yarn
Outer Sheath	1.25 mm (Nominal)
Number of Ripcords	2 Polyester
Overall Cable Diameter	9.0 ± 0.5 mm
Cable Weight	75 ± 10 kg/km
Tensile Strength Long Term	1500 N
Tensile Strength Short Term	3000 N
Crush Resistance	2000 N/100 mm
Torsion	± 360°
Minimum Bend Radius	20 x D
Installation temperature	- 30 °C + 70 °C
Operation/Storage temperature	- 30 °C + 70 °C