

M-TEC



FTTH Indoor Optic Fibre Cable

Application:

Indoor Fibre in and to the Home, to be blown into ducting.
Blown in only, not suitable for suspended aerial applications

Construction:

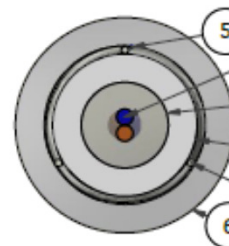
Fibre Optics in Polycarbonate Tubes filled with Thixotropic gel, water blocking binder yarn, ripcord, LSZH sheath.

Fiber Types:

Single-mode: G657A2 (Ultra low loss)

Construction					
Number of Fibres (Fibre Count)	2	4	6	8	12
Material of Tubes	PC (Polycarbonate)				
Tube diameter OD (mm) Nominal	2.00 ± 0.10			2.50 ± 0.10	
Radial thickness	Nominal 0.35mm				
Cable					
Diameter (mm)	Nominal - 3.2mm Maximum - 3.3mm				Nom. - 3.7mm Max. - 3.8mm
Weight (kg/km)	9.4	9.4	9.5	9.5	11.8
Outer Sheath	White				
Material	Low Smoke Zero Halogen (LSZH)				
Radial Thickness	Nominal 0.5mm				
Physical Properties					
Tensile Strength	125 N				
Bending Radius					
After Installation	20 x Cable Diameter				
During Installation	10 x Cable Diameter				
Crush Resistance (50mm x 50mm Plates for 1min)	100 N				
Impact Test (2Nm/25mm Anvil)	2 x 3 impacts 100mm apart				
Water Penetration (24 Hours)	3 meter				
Temperature Range	-20 / +70°C				
Fibre identification:	1. Blue 2. Orange	1. Blue 2. Orange 3. Green 4. Brown	1. Blue 2. Orange 3. Green 4. Brown 5. Grey 6. White	1. Blue 2. Orange 3. Green 4. Brown 5. Grey 6. White 7. Red 8. Black	1. Blue 2. Orange 3. Green 4. Brown 5. Grey 6. White 7. Red 8. Black 9. Yellow 10. Violet 11. Pink 12. Aqua
1 x Loose Tube identification:	Natural				
Shipping Length	500m - 2,000m				
Product Features					

- # M-TEC fiber fully comply with: ITU-T Specifications for the relevant fibre type used in these cable.
- The Blown in Uni-Tube cable is designed for blown duct or strung applications.
- The cable's non metallic construction makes it immune to Lightning.
- Excellent optical reliability is ensured by the Thixotropic gel filling in the tube which provide protection against vibration.
- IBIDA, PLP or Powertel to be consulted for accessories for this type of cable.



Item	Description
1	Fiber
2	Thixotropic gel
3	Tube (Polycarbonate)
4	Water blocking binding yarn
5	Ripcord
6	Sheath

Customer acceptance Signature: _____

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