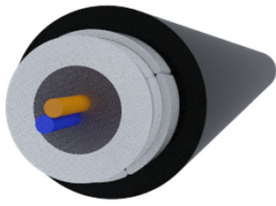


# M-TEC



## Fiber Optic Drop Cable (FTTH)

Blown in or suspended Uni-Tube, single mode.  
(Blown in to duct or strung in air), (not hauled)

### Application:

To be blown into ducting, or strung over a span length of up to 50m.  
(Fiber to the Home).

### Construction:

Fibre optics in Polycarbonate tubes filled with Thixotropic gel, water blocking glass yarn, ripcord, HDPE sheath.

### Fibre Types:

# Single-mode: G657 A1 & G657 A2

### Construction

Number of Fibres (Fiber Count)	2	4	6	8	12
Material of Tubes	Polycarbonate				
Tube diameter OD (mm) Nominal	2.00 ± 0.10			2.50 ± 0.10	
Radial thickness	Nominal 0.35mm				

### Cable

Diameter (mm)	(4.0) Nominal with a maximum of (4.2) relating to a maximum occupation of 85% of a pipe / conduit with an inner diameter of 5mm.	(4.5) nom. (4.7) max.
Weight (kg/km)	14.25	16.09
Outer Sheath	Black UV resistant (No Stripe) / Coloured UV resistant	
Material	High Density Polyethylene	
Radial Thickness	Nominal 0.5mm	

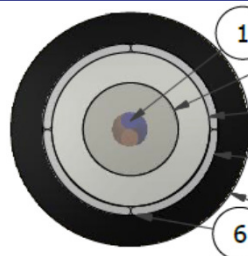
### Physical Properties

Allowable Tension During installation	500 N
Allowable Tension After installation	125 N
Bending Radius After Installation	10 x Cable Diameter
Bending Radius During Installation	20 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	(Single Mode) 1,000m				

### 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 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 optics
2	Thixotropic gel
3	Polycarbonate tube
4	Glass yarn
5	Polyethylene sheath
6	Ripcord

**Customer acceptance Signature:** \_\_\_\_\_

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