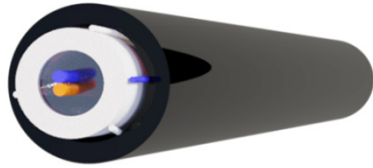


M-TEC



FTTH Duct Optic Fibre Cable

Application:

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

Construction:

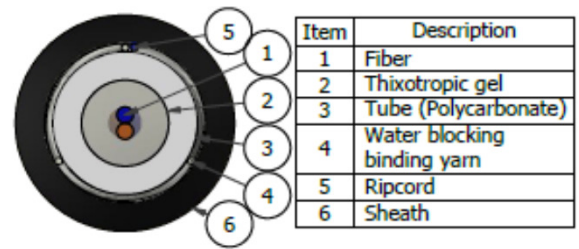
Fibre Optics in Polycarbonate Tubes filled with Thixotropic gel, water blocking binder yarn, ripcord, HDPE sheath.

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) | 8.7 | 8.8 | 8.8 | 8.9 | 11.0 |
| Outer Sheath | Black | | | | |
| Material | HDPE Polyethylene | | | | |
| 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 | -10 / +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.



Customer acceptance Signature: _____

Revision: R01 10/08/2021

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of M-TEC. The information is believed to be correct at the time of issue to the best of M-TEC's knowledge. M-TEC reserves the right to amend this specification without prior notification. This specification is not contractually valid unless specifically authorised by M-TEC. M-TEC shall not be liable for any damages whatsoever (including indirect, incidental, special, punitive or consequential damages and loss of profits, opportunities or information) arising from or result from the use of or reliance on information contained in this document, and/or any inaccuracy or omission in such information contained in this document.