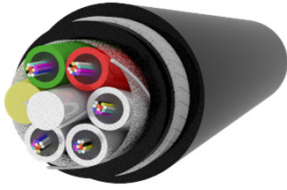


# M-TEC



## Fiber Optic Cable Heavy Duty Duct, Double Jacket

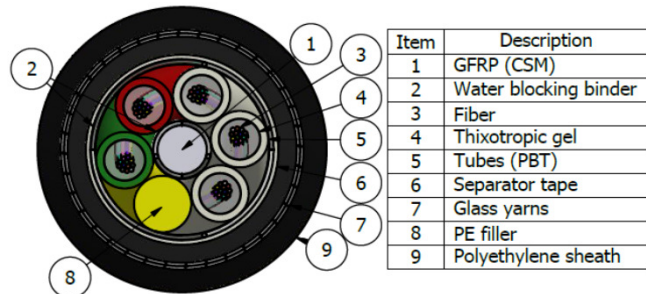
**Application:**  
Blown or hauled into cable ducts and clamped to cable trays / racks.

**Construction:**  
GRP, Water blocking binders, Fibre optics in PBT Tubes filled with Thixotropic gel, Rip cords, Polyethylene bedding, water blocking Glass yarn, Polyethylene sheath.

**Fiber Types:**  
Single-Mode : G652D, G655(C,D,E), G656(A,D,E), G657.(A,A1,A2,B2) Ultra low loss.  
Multi-Mode : OM1(62.5/125), OM2, OM3,OM4

Construction			
Number of fibres (Fiber Count)	12	24	48
Fibres per tube	6	12	12
Number of elements	4	4	4
Number of tubes	4	2	4
Number of fillers	2	2	0
Material of tubes	PBT (Polybutylene Terephthalate)		
Radial thickness	Nominal 0.35mm		
Cable			
Central Strength Member	Glass Reinforced Plastic		
Peripheral Strength Member	Water blocking glass yarn		
Filler Material	Yellow Polyethylene		
Polyethylene Sheath			
Diameter (mm) Nominal	12.5	12.5	12.5
Weight (kg/km) Nominal	114	114	115
Outer Sheath	Black (No Stripe)		
Material	Polyethylene		
Radial Thickness	Nominal 1.6mm		
Physical Properties			
Allowable tension (N)	1200	1200	1200
Bending radius			
After installation	20 x Cable diameter		
During installation	10 x Cable diameter		
Crush resistance (50mm x 50mm Plates for 1min)	2 000 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 3. Green 4. Brown 5. Grey 6. White 7. Red 8. Black 9. Yellow 10. Violet 11. Pink 12. Turquoise/Aqua		
Loose Tube identification:	1. Blue 2. Orange 3. Green 4. Brown 5. Grey 6. White 7. Red 8. Black 9. Yellow 10. Violet 11. Pink 12. Turquoise/Aqua		
Shipping Length	2000m - 4000m		
Product Features			

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



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

Note: drawing is for illustration purposes only and may not fully correspond to the cable design detail

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