



Fiber Optic Cable Micro Duct

Application:

To be blown into ducting.

Installed in cable trays and ducts.

Construction:

GRP, water blocking binder, Fiber optics in tubes filled with Thixotropic gel, ripcord, Polyethylene sheath.

Fiber Types:

Single-Mode: G652D, G655(C,D,E), G656(A,D,E), G657.(A,A1,A2,B2) Ultra low loss.

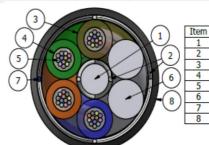
Multi-Mode: OM1(62.5/125), OM2, OM3, OM4

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		Con	struction					
Number of Fibres (Fibre Count)	2-8	12	24	48	72	96	144	
Fibres per Tube	2-8	6/12	6/12	12	12	12	12	
Number of Elements	6	6	6	6	6	8	12	
Number of Tubes	1	2/1	4/2	4	6	8	12	
Number of Fillers	5	4/5	2/4	2	0	0	0	
Material of Tubes	PBT (Polybutylene Terephthalate)							
Tube Diameter (mm)	1.7 ± 0.10							
			Cable					
Diameter (mm) Nominal	6.24	6.24	6.24	6.24	6.24	7.3	9.5	
Weight (kg/km) Nominal	25	25	26	27	32	40	75	
Central Strength Member		(GRP) Glass Reinforced Plastic						
Filler Material		Natural Polyethylene						
Outer Sheath		Black						
Material		Polyethylene						
Radial Thickness		0.4~0.5mm Nominal						
		Physica	al Properties					
Allowable Tensile strength	600N							
Push Strength		200m						
Bending Radius								
After Installation		10 x Cable Diameter						
During Installation		20 x Cable Diameter						
Crush Resistance								
(100mm x 100mm Plates for 1min)		650 N						
Impact Test (1Nm/300mm Anvil)		2 x 3 impacts 100mm apart						
Torsion (± 180 ℃ for 10 cycles)		1 meter						
Water Penetration (24 Hours)		3 meter						
Temperature Range		-10 / +50 ℃						
12 x 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						
12 x Loose Tube identification:		 Blue 2. Orange 3. Green 4. Brown 5. Grey 6. White Red 8. Black 9. Yellow 10. Violet 11. Pink 12. Turquoise/Aqua 						

Shipping Length

- # M-TEC fiber fully comply with: ITU-T Specifications for the relevant fibre type used in these cable.
- Low installation and product cost and fast installation reduces the total project cost.
- 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.
- Polyethylene Sheath is UV Stabilized if black.
- IBIDA, PLP or Powertel to be consulted for accessories for this type of cable.





Item	Description
1	GRP
2	Water Blocking Binder
3	Tubes (PBT)
4	Thixotropic Gel
5	Fibres
6	Polyethylene Fillers
7	Rip cord
8	Polyethylene Sheath

Customer acceptance Signature:

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