

PRODUCT DATA SHEET

12 Core Micro Blown Single Mode Fibre Optic Cable

Product Specifications

Specification	G.657A1
Mode Field Diameter @1310nm	9.0±0.4 μm
Mode Field Diameter @1550nm	10.1±0.5 μm
Cladding Diameter	124.8±0.7 μm
Cladding Non-Circularity	≤0.7%
Core-Cladding Concentricity Error	≤0.5 μm
Coating Diameter	245±5 μm
Coating Non-Circularity	≤6.0%
Cladding-Coating Concentricity Error	≤12.0 μm
Cable Cutoff Wavelength	$\lambda_{cc} \leq 1260$ nm
Attenuation (max.)@1310nm	≤0.4 dB/km
Attenuation (max.)@1550nm	≤0.3 dB/km
Macro-Bending Loss 1turn×10mm radius @1550nm	≤0.75 dB
Macro-Bending Loss 1turn×10mm radius @1625nm	≤1.5 dB
Fiber Count	12
Coloured Coating Fiber Dimension	250μm±15μm
Coloured Coating Fiber Colour	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Purple, Pink, Aqua
Loose Tube Dimension	1.50mm±0.1mm
Loose Tube Material	PBT
Loose Tube Colour	Blue
Filler Dimension	1.5mm±0.1mm
Filler Material	PP
Filler Colour	Natural
Central Strength Member Diameter	1.5mm
Central Strength Member Material	FRP
Outer Jacket Dimension	5.5mm±0.2mm
Outer Jacket Material	HDPE
Outer Jacket Colour	Black

Part Numbers

Model No :	Description :
G6MBSM-12	12 Core Micro Blown SM Fibre Optic Cable

Introduction :

- Blown micro fibre optic cable is a technology that minimizes the size of optical cables and pipes by optimizing materials, processes and structures, and laying them by air-blowing method to maximize the use of pipe space. Air-blown fiber optic cable is a 250μm optical fiber sheathed in a loose tube made of high-modulus material, and the loose tube is filled with a waterproof compound. The center of the cable core is a non-metallic reinforcement core (FRP). The structure requires that the MDPE material cushion may be coated on the outer layer. The sleeve is twisted around the center reinforcement core to form a compact and round cable core, and the gap in the cable core is filled with resistance. Water filled, the outer sheath is extruded into HDPE and then formed into a cable. A totally non-metallic construction ensures lighting immunity.

Features:

- The air-blown optical fibre adopts a non-metallic structure design, which can effectively prevent radio frequency interference and electromagnetic wave interference.
- The structure design of the optical cable is particularly tight, which effectively prevents the sleeve from retracting.
- The loose tube material has good hydrolysis resistance and high strength.
- This kind of fibre optical cable is made of HDPE sheath to meet the air pressure strength during air blowing construction; complete cable core filling measures are used to ensure the waterproof performance of the optical fibre cable.
- Double-sided corrugated steel tape (PSP) improves the moisture resistance of the optical cable.

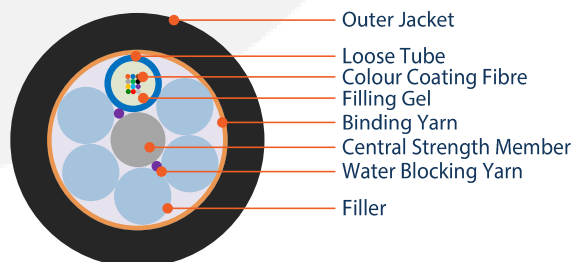
Applications:

- This fibre optic cable can be used as the drop cable of feeder segments in FTTH networks and can be laid by air blowing to connect the branch point with the access point for subscribers.
- The type optical fiber cable is also applicable in backbone networks, metropolitan area networks and access networks.

Available in :

- Single Mode (SM)**

OS2 » 12 Fibre



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