

IBO-120M4H

Description

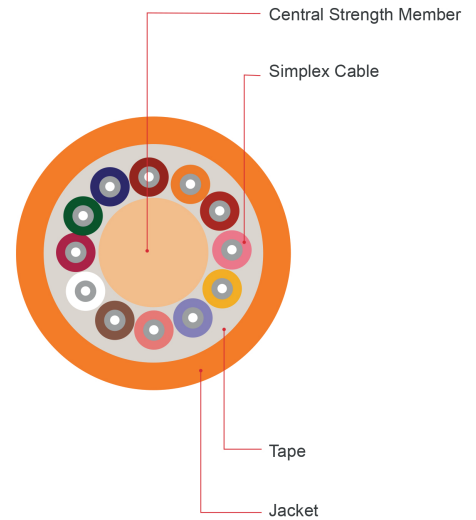
Osilan's Indoor Breakout Cable, an all-dielectric non-metallic design with a low smoke zero halogen (LSZH) Single Jacket, are the optimal choice for any backbone inside the building environment. The Indoor Breakout design is perfect for intrabuilding installations and ideal for cabling between telecommunication rooms to individual outlets throughout the building's conduits, ducts and floors, The 900 µm Tight buffered fibre is perfect for a quick breakout with easy termination. The cable structure offers water-blocking and added rodent protection.

Features

- Single Jacket, All-Dielectric, Gel-Free Cable.
- Halogen-free, flame-retardant LSZH jacket.
- Aramid Yarn offers strength and Basic rodent protection.
- Single Fibre Reinforced Plastic (FRP) as a central strength member.
- 900µm primary coated fibres. Colour-coded according to TIA-598-C.

Application

- Suitable for internal and intrabuilding use
- Suitable for indoor installations in conduit
- Suitable for LAN campus, building and Data Centre backbone infrastructure.



Standards

- ISO 11801 2nd Edition
- TIA 568 C.3
- EN 50173
- EN 50575: Euroclass Eca
- EN 60332-1
- IEC 61034-2
- IEC 60794-2
- ANSI/ICEA S-83-596
- CSA FT4
- CSA FT6

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

FIBRE COUNT	CABLE DIMENSION (MM)	CABLE WEIGHT (KG/KM)	TENSILE (N)		CRUSH (N/100MM)		MIN BEND RADIUS (MM)		RANGE OF TEMP (C)
			LONG TERM	SHORT TERM	LONG TERM	SHORT TERM	DYNAMIC	STATIC	
4	7.5	45	130.0	440.0	200	1000	20D	10D	-20+60
6	8.5	60	130.0	440.0	200	1000			
8	10	91	130.0	440.0	200	1000			
12	12.5	145	200.0	660.0	200	1000			
16	12	120	500.0	1500.0	300	1000			
24	15	178	800.0	2200.0	300	1000			
36	17.5	200	1000.0	3000.0	300	1000			
48	20	247	1500.0	4000.0	300	1000			

Cable Parameters

Items	Specifications
Loose Tube	1.95mm±0.05mm
Loose Tube Material	PBT
Outer Jacket Material	LSZH
Outer Jacket Colour	UV Black
Temperature range	-20°C to +60°C
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +70°C

Fibre Parameters

Items	Specifications
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
ITU-T Standards	G.652.D for SM G.651.1 for MM
Attenuation	1310nm ≤0.36 dB/km
	1550nm ≤0.25 dB/km
	850 nm ≤3 dB/km
	1300nm ≤1 dB/km

ORDERING INFORMATION

Part No.	Description
IBO-120M4H	Indoor Breakout Cable, All-Dielectric, Tight Buffered, Single Jacket, 12 fibre, OM4, low smoke zero halogens (LSZH), Eca-Rated