

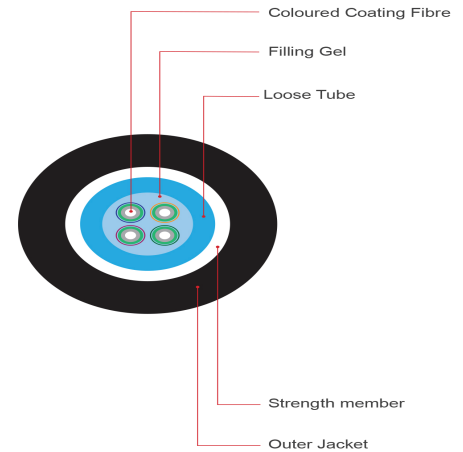
## IOULG-120M4H

### Description

Osilan's In/Outdoor Unitube Cable, an All-Dielectric non-metallic design with low smoke zero halogen (LSZH) Single Jacket, are the optimal choice for backbone in Campus and building environments. The In/Outdoor Unitube design is perfect for installation in ducts and ideal for connecting entrance facilities, equipment rooms, and telecommunications rooms. The cable structure offers water-blocking and added rodent protection.

### Features

- Single Jacket, All Dielectric Cable.
- Halogen-free, flame-retardant LSZH jacket.
- Single Gel-Filled Loose Tube – to block the ingress of water.
- 250µm primary coated fibres. color-coded according to TIA-598-C.
- Glass Yarn water-blocking system offers water-blocking and basic rodent protection.



### Application

- Suitable for installation on trays, and in conduit & may be used for direct burial.
- Suitable for internal/external duct installations in building and campus backbone applications.

### 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	7.2	45.3	660	200		500			-20+60
8	8.5	62.5	660	200		500			
12	9.2	75.0	660	200	1000	500	20D	10D	
24	10	75.0	660	200		500			

#### 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
IOULG-120M4H	In/Outdoor Unitube Cable, All-Dielectric, Single Jacket, 12 fibre, OM4, low smoke zero halogen (LSZH), Eca-Rated