

IODMU-144OS2H

Description

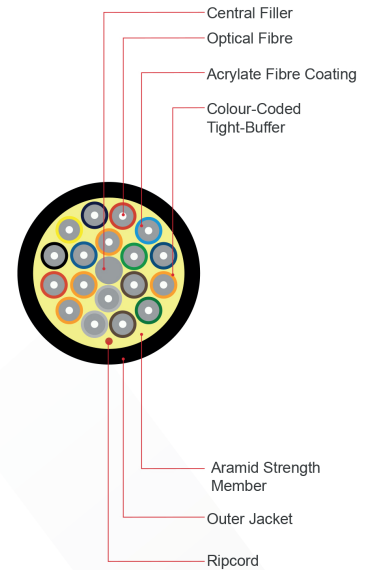
Osilan's In/Outdoor Distribution Multi-Unit Cable, an all-dielectric non-metallic design with low smoke zero halogen (LSZH) Single Jacket, are the optimal choice for backbone in Campus and building environments. The In/Outdoor Distribution Multi-Unit design and 900 µm Tight buffered fibre are perfect for a quick breakout, easy termination 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, 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 interbuilding use.
- Suitable for LAN/WAN building and Data Centre backbone infrastructure.
- Suitable for horizontal and vertical installations.
- Suitable for routing between telecommunications rooms



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	SUBUNIT COUNT	FIBRE COUNT IN EACH UNIT	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	
24	6	4	15.0	183.0	400	1320	300	1000	10D	20D	-20+60
48	6	8	18.5	292.0	400	1320	300	1000			
72	6	12	22.5	390.0	400	1320	300	1000			
96	8	12	25.5	546.0	600	1500	300	1000			
144	12	12	35.5	1144.0	800	2000	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
IODMU-144OS2H	In/Outdoor Distribution Multi-Unit Cable, Tight Buffered, All-Dielectric, Single Jacket, 144 fibre, OS2, low smoke zero halogen (LSZH), Eca-Rated