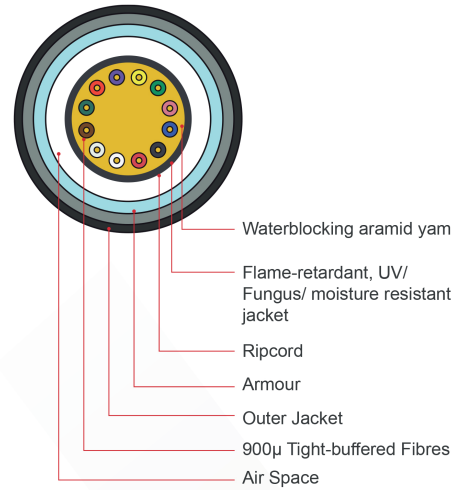**OSILAN®**

IODIAMU-144OM4H

Description

Osilan's In/Outdoor Distribution Interlock Armoured Multi-Unit Cable, Single Jacket, Single Armour with Interlocking Aluminum Armour, these low smoke zero halogen rated cables are the optimal choice for backbone in Campus and building environments. The In/Outdoor Distribution Interlock Armoured Multi-Unit design and 900 µm 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.

- Waterblocking aramid yarn
- Flame-retardant, UV/ Fungus/ moisture resistant jacket
- Ripcord
- Armour
- Outer Jacket
- 900µ Tight-buffered Fibres
- Air Space

Features

- Single Jacket, Gel-Free Cable.
- Halogen-free, flame-retardant LSZH jacket.
- Interlocking Aluminum Armour provide rodent proof.
- Aramid Yarn offers strength and basic rodent protection.
- 900µm primary coated fibres. color-coded according to TIA-598-C.

Application

- Suitable for internal and interbuilding use.
- Suitable for LAN/WAN building and Data Center 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	-	24	16.0	194.0	734	2774	300	1000	20D	10D	-20-+60
48	4	8	20.0	311.0							
72	6	12	240	406.0							
96	8	16	27.0	488.0	1334	4448					
144	12	24	31.0	574.0							

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
IODIAMU-144OM4H	In/Outdoor Distribution Interlock Armoured Multi-Unit Cable, Tight Buffered, Single Jacket, 144 fibre, OM4, low smoke zero halogens (LSZH), Eca-Rated