

## IDIAMU-144OM2H

### Description

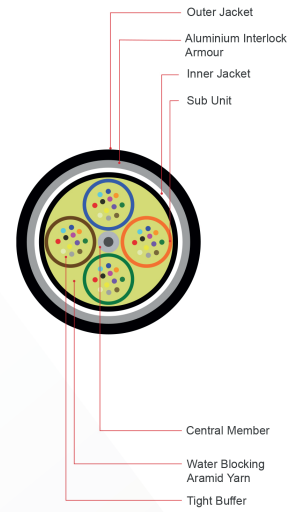
Osilan's Indoor Distribution Interlock Armoured Multi-Unit Cable, Double Jacket with low smoke zero halogens (LSZH) Outer jacket, and Single Armour with Interlocking Aluminum Armour, are the optimal choice for any backbone inside the building environment. The Indoor Distribution Interlock Armoured Multi-Unit design is perfect for intrabuilding installations and ideal for cabling between telecommunication rooms. The 900 μm buffered fibre is perfect for a quick breakout with easy termination. The cable structure offers water-blocking and added rodent protection.

### Features

- Double Jacket, All-Dielectric, 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, Colour-coded according to TIA-598-C

### Application

- Suitable for internal and intrabuilding use
- Suitable for routing between telecommunications rooms
- Suitable for harsh premises environments requiring heavy-duty protection.



### 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	1	24	16.0	194.0	734	2447	3000	1000	20D	10D	-20+60
48	4	8	20.0	311.0	1334	4448	300	1000			
72	6	12	24.0	406.0	1334	4448	300	1000			
96	8	16	27.0	488.0	1334	4448	300	1000			
144	12	24	31.0	574.0	1490	4448	300	1000			

#### Cable Parameters

Items	Specifications
Coloured Coating Fibre	Blue, Orange, Green, Brown, Grey, Natural, Red, Black, Yellow, Purple, Pink, Aqua
Loose Tube	1.95mm±0.05mm
Material	PBT
Colour	Blue, Orange, Green, Brown, Grey, Natural, Red, Black, Yellow, Purple, Pink, Aqua
water-blocking system	
Material	Aramid Yarn
Inner Jacket	
Material	Polyethylene (PE)
Armouring	
Material	Interlocking Aluminum Armour
Outer Jacket	
Material	LSZH
Colour	UV Black

#### 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
IDIAMU-144OM2H	Indoor Distribution Interlock Armoured Multi-Unit Cable, Tight Buffered, Double Jacket, 144 fibre, OM2, low smoke zero halogen (LSZH), Eca-Rated