

## IDIAMU-144OS2H

### Description

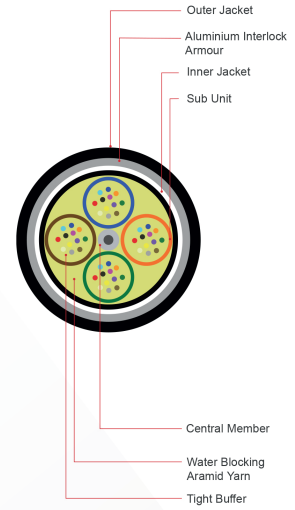
Osilan's Indoor Distribution Interlock Armoured Multi-Unit Cable, Double Jacket with low smoke zero halogens (LSZH) Outer jacket, and Single Armour with Interlocking Aluminum Armour, are the optimal choice for any backbone inside the building environment. The Indoor Distribution Interlock Armoured Multi-Unit 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<br>G.651.1 for MM   |
| Attenuation                          | 1310nm ≤0.36 dB/km                 |
|                                      | 1550nm ≤0.25 dB/km                 |
|                                      | 850 nm ≤3 dB/km<br>1300nm ≤1 dB/km |

#### ORDERING INFORMATION

| Part No.       | Description  |
|----------------|--|
| IDIAMU-144OS2H | Indoor Distribution Interlock Armoured Multi-Unit Cable, Tight Buffered, Double Jacket, 144 fibre, OS2, low smoke zero halogen (LSZH), Eca-Rated |