

IODIAMU-0960M2H

Description

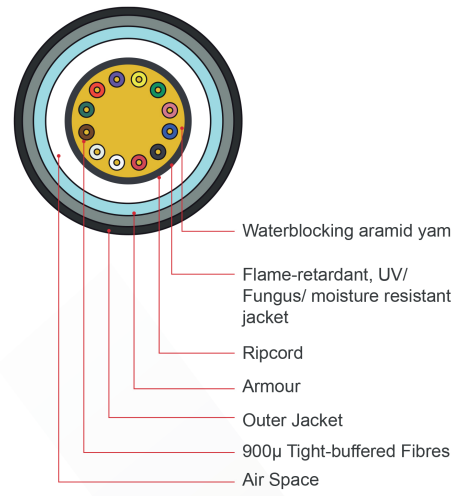
Osilan's In/Outdoor Distribution Interlock Armoured Multi-Unit Cable, Single Jacket, Single Armour with Interlocking Aluminum Armour, these low smoke zero halogen rated cables are the optimal choice for backbone in Campus and building environments. The In/Outdoor Distribution Interlock Armoured Multi-Unit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

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 | | | | | |
| 48 | 4 | 8 | 20.0 | 311.0 | | | | | | | |
| 72 | 6 | 12 | 240 | 406.0 | | | 300 | 1000 | 20D | 10D | -20-+60 |
| 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-0960M2H | In/Outdoor Distribution Interlock Armoured Multi-Unit Cable, Tight Buffered, Single Jacket, 96 fibre, OM2, low smoke zero halogens (LSZH), Eca-Rated |