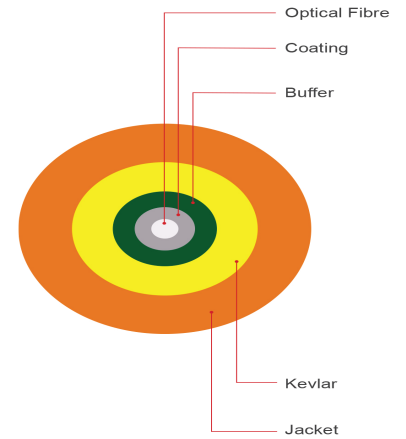


## ISXRTB-0010M2H

### Description

Osilan's Indoor Simplex Round Tight Buffer fibre Cable, an all-dielectric non-metallic design with a low smoke zero halogen (LSZH) Single Jacket, are the optimal choice for any backbone inside the building environment. The Indoor Distribution Single Unit design is perfect for intrabuilding installations and ideal for cabling between telecommunication rooms to individual outlets throughout the building's conduits, ducts and floors, The 900 µm Tight buffered fibre is perfect for a quick breakout with easy termination. 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.
- 900µm primary coated fibres. Colour-coded according to TIA-598-C.

### Application

- Suitable for internal and intrabuilding use
- Suitable for indoor installations in conduit
- Suitable for LAN campus, building and Data Centre backbone infrastructure.

### 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 | 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 |                   |
| 1           | 1.6                  | 2.2                  | 40          | 80         | 100             | 500        | 50D                  | 30D    | -20+60            |
| 1           | 1.8                  | 3.0                  | 40          | 80         | 100             | 500        | 50D                  |        |                   |
| 1           | 2.0                  | 3.6                  | 60          | 100        | 100             | 500        | 50D                  |        |                   |
| 1           | 2.4                  | 5.0                  | 60          | 100        | 100             | 500        | 50D                  |        |                   |
| 1           | 2.8                  | 6.5                  | 80          | 150        | 100             | 500        | 60D                  |        |                   |
| 1           | 3.0                  | 7.4                  | 80          | 150        | 100             | 500        | 60D                  |        |                   |

#### 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<br>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   |
|----------------|---|
| ISXRTB-0010M2H | Indoor Simplex Round Tight Buffered Cable, 1 fibre, OM2, low smoke zero halogen (LSZH), Eca-Rated |