

OM1 Breakout 12 Fibres

Fibre Properties

| Characteristics | Unit | Value |
|--------------------------|--------|-------------------|
| ATTENUATION @ 850 nm | dB/km | ≤ 3.1 |
| @ 1300 nm | | ≤ 1.0 |
| BANDWIDTH AT 850 nm | MHz.km | ≥ 200 |
| 1300 nm | | ≥ 500 |
| POINT DISCONTINUITIES | dB | ≤ 0.1 |
| NUMERICAL APERATURE | | 0.275 ± 0.015 |
| CORE DIAMETER | um | 62.5 ± 2.0 |
| CORE NON CIRCULARITY | % | ≤ 2 |
| CLAD DIAMETER | um | 125 ± 2.0 |
| CLAD NON CIRCULARITY | % | ≤ 2.0 |
| CORE CONCENTRICITY ERROR | um | ≤ 6 |
| COATING DIAMETER | um | 245 ± 10 |

Cable Cross Section

CABLE CROSS SECTION:

OUTER SHEATH (LSZH)

WS TAPE

DUMMY

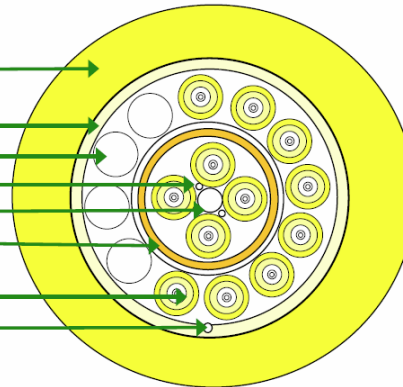
WS YARN

FRP

GLASS YARN

SIMPLEX 2mm

RIP CORD



Mechanical & Environmental Properties

| | | |
|---|---|--------------------|
| MAX. TENSILE STRENGTH | : | 1500 Newton |
| CRUSH RESISTANCE | : | 1500 Newton/100 mm |
| MINIMUM BENDING RADIUS -- TEMPORARY | : | 100 mm |
| MAX. OPERATING/INSTALLATION TEMPERATURE | : | -30 °C to +60 °C |

Physical & Dimensions Properties

| | |
|------------------------|-----------------------------|
| NO. OF FIBRES | 12F |
| TYPE OF FIBRE | MM 62.5/125 OM1 |
| STRENGTH MEMBER | ARAMID YARN AND FRP |
| OUTER SHEATH MATERIAL | LSZH |
| OUTER SHEATH THICKNESS | ≥1.2 mm |
| OUTER CABLE DIAMETER | 13 ± 0.6 mm |
| CABLE WEIGHT | 155 ± 7 Kg/Km |
| PRINTING ON CABLE | AS PER CUSTOMER REQUIREMENT |
| STANDARD LENGTH | 2,3,4 ± 10% KMS |