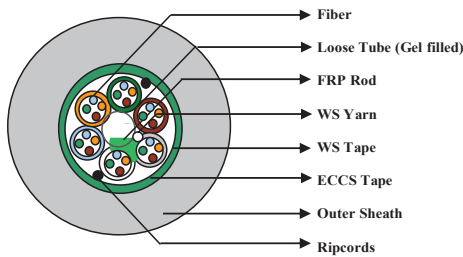
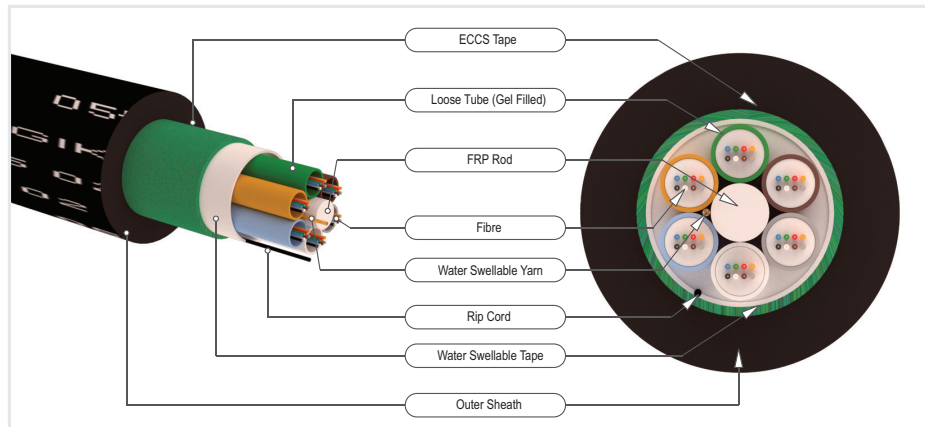
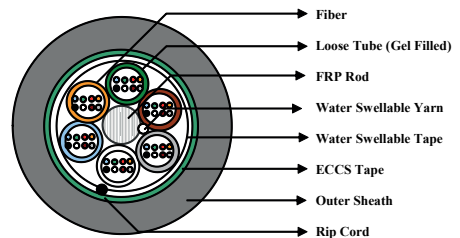


Multi Mode OM3 Multitube Armoured Fiber Optic Cable – 24F, 48F Cables

Techlogiks armoured loose tube cables are the product of choice as the backbone in Outside Plant (OSP) environments. The rugged loose tube design offers reliable transmission performance over a broad temperature range. Optical Fibers and water-blocking elements are placed inside buffer tubes. The core is constructed by stranding the buffer tubes around a central member. The core is wrapped with flexible strength members covered with a polyester tape then encased with a black inner jacket. An ECCS armoured is applied and a black outer jacket completes the cable construction. Rip cords are included under the inner jacket and armoured for ease of entry.



24F Cable



48F Cable

Standards Compliance :

Telecordia GR-20, IEC 60794, EIA/TIA, ITU-T, EN187000, RUS1755.900

Applications :

Direct bury and underground duct, Trunk, distribution and feeder cable, Local Loop, Metro, Long-haul and broadband network.

Advantages:

High Fiber density, Multiple network applications, Reduces cable prep and installation time, Reduces the number of tools required, Improves compressive strength and rodent protection.

| Optical Fibre Characteristics | | |
|-----------------------------------|---------------|---------------|
| Fibre Type | 50 µm (OM3) | |
| Attenuation | at 850 nm | ≤ 3.0 dB/km |
| | at 1300 nm | ≤ 1.0 dB/km |
| Bandwidth | 850 nm | ≥ 1500 MHz.km |
| | 1300 nm | ≥ 500 MHz.km |
| Core Diameter | 50.0 ± 2.5 µm | |
| Core Cladding Concentricity Error | ≤ 1 µm | |
| Cladding Diameter | 125 ± 1 µm | |
| Cladding Non-circularity | ≤ 1 % | |
| Coating Diameter | 250 ± 15 µm | |

| Cable Construction Details | | | | | | | | | | | | |
|---------------------------------------|------------|--|----|----|----|----|------------------|----|----|----|--|--|
| Parameter | Dimensions | Type, Color | | | | | | | | | | |
| 48F | | | | | | | | | | | | |
| Number of Loose Tubes | 8 | Color | Bl | Or | Gr | Br | Sl | Wh | Rd | Bk | | |
| Number of Loose Tubes | 6 | Color | Bl | Or | Gr | Br | Sl | Wh | | | | |
| 24F | | | | | | | | | | | | |
| Number of Loose Tubes | 4 | Color | Bl | Or | Gr | Br | | | | | | |
| Number of Loose Tubes | 6 | Color | Bl | Or | Gr | Br | Sl | Wh | | | | |
| Moisture Barrier | --- | Water Swellable Yarn & Water Swellable Tapes | | | | | | | | | | |
| 48F | | | | | | | | | | | | |
| 24F | | | | | | | | | | | | |
| Loose Tube ID/OD-PBT | | 1.5/2.2 ± 0.1 mm | | | | | 1.2/1.9 ± 0.1 mm | | | | | |
| Central Strength Member-FRP Rod | | 2.3 ± 0.1 mm | | | | | 2.0 ± 0.1 mm | | | | | |
| Corrugated Steel Armoring - ECCS Tape | | 0.150 mm | | | | | 0.150 mm | | | | | |
| Outer Sheath-LSOH-Black | | 1.5 mm (Nom) | | | | | 1.5 mm (Nom) | | | | | |
| Number of Ripcords - Polyester | | 1 | | | | | 2 | | | | | |
| Overall Cable Diameter | | 12.0 ± 0.5 mm | | | | | 11.0 ± 0.5 mm | | | | | |
| Cable Weight | | 160± 20kg/km | | | | | 140 ± 15 kg/km | | | | | |

| Cable Mechanical Characteristics | | |
|----------------------------------|---------|---------|
| Tight Cable | 48F | 24F |
| Tensile Strength | 2000 N | 1500 N |
| Crush Resistance | 2000 N | 2000 N |
| Impact Strength | 25 N.m | 25 N.m |
| Torsion | ± 180 ° | ± 180 ° |
| Minimum Bend Radius | 20 X D | 20 X D |

| Temperature Performance | |
|-------------------------|-------------------|
| Installation | -20 °C to + 70 °C |
| Operation | -20 °C to + 70 °C |
| Storage | -20 °C to + 70 °C |

| ORDERING INFORMATION | |
|----------------------|--|
| PART NUMBER | DESCRIPTION |
| TL-24F-OM3-AR | 24 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH |
| TL-48F- OM3-AR | 48 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH |
| TL-24F-OM3-AR-PE | 24 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE |
| TL-48F- OM3-AR-PE | 48 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE |

ARMoured FIBER CABLE