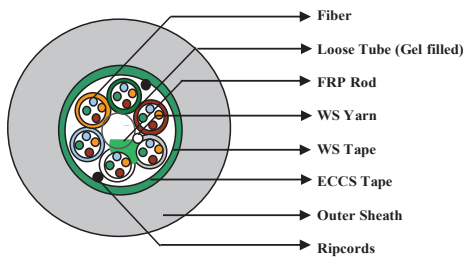
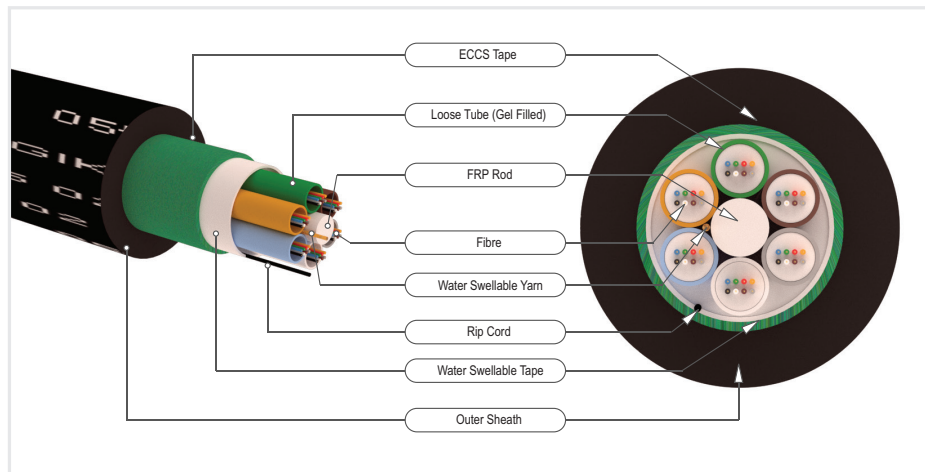
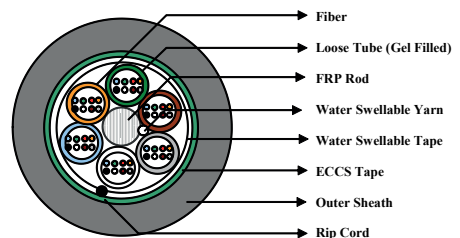


### Multi Mode 62.5/125µ Multitube Armoured Fiber Optic Cable – 24F, 48F Cables

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	62.5 µm (OM1)	
Attenuation	at 850 nm	≤ 3.2 dB/km
	at 1300 nm	≤ 1.2 dB/km
Bandwidth	850 nm	≥ 200 MHz.km
	1300 nm	≥ 600 MHz.km
Core Diameter	62.5 ± 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 fibers per Tube	8	Color <span style="background-color: #00bfff; border: 1px solid black; padding: 2px;">Bl</span> <span style="background-color: #ff9900; border: 1px solid black; padding: 2px;">Or</span> <span style="background-color: #90ee90; border: 1px solid black; padding: 2px;">Gr</span> <span style="background-color: #800000; border: 1px solid black; padding: 2px;">Br</span> <span style="background-color: #cccccc; border: 1px solid black; padding: 2px;">Sl</span> <span style="background-color: #ffffff; border: 1px solid black; padding: 2px;">Wh</span> <span style="background-color: #ff0000; border: 1px solid black; padding: 2px;">Rd</span> <span style="background-color: #000000; border: 1px solid black; padding: 2px;">Bk</span>
Number of Loose Tubes	6	Color <span style="background-color: #00bfff; border: 1px solid black; padding: 2px;">Bl</span> <span style="background-color: #ff9900; border: 1px solid black; padding: 2px;">Or</span> <span style="background-color: #90ee90; border: 1px solid black; padding: 2px;">Gr</span> <span style="background-color: #800000; border: 1px solid black; padding: 2px;">Br</span> <span style="background-color: #cccccc; border: 1px solid black; padding: 2px;">Sl</span> <span style="background-color: #ffffff; border: 1px solid black; padding: 2px;">Wh</span>
24F		
Number of fibers per Tube	4	Color <span style="background-color: #00bfff; border: 1px solid black; padding: 2px;">Bl</span> <span style="background-color: #ff9900; border: 1px solid black; padding: 2px;">Or</span> <span style="background-color: #90ee90; border: 1px solid black; padding: 2px;">Gr</span> <span style="background-color: #800000; border: 1px solid black; padding: 2px;">Br</span>
Number of Loose Tubes	6	Color <span style="background-color: #00bfff; border: 1px solid black; padding: 2px;">Bl</span> <span style="background-color: #ff9900; border: 1px solid black; padding: 2px;">Or</span> <span style="background-color: #90ee90; border: 1px solid black; padding: 2px;">Gr</span> <span style="background-color: #800000; border: 1px solid black; padding: 2px;">Br</span> <span style="background-color: #cccccc; border: 1px solid black; padding: 2px;">Sl</span> <span style="background-color: #ffffff; border: 1px solid black; padding: 2px;">Wh</span>
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/HDPE-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 Fiber	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-62-AR	24 Fiber MM 62.5/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-48F-62-AR	48 Fiber MM 62.5/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-24F-62-AR-PE	24 Fiber MM 62.5/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE
TL-48F-62-AR-PE	48 Fiber MM 62.5/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE