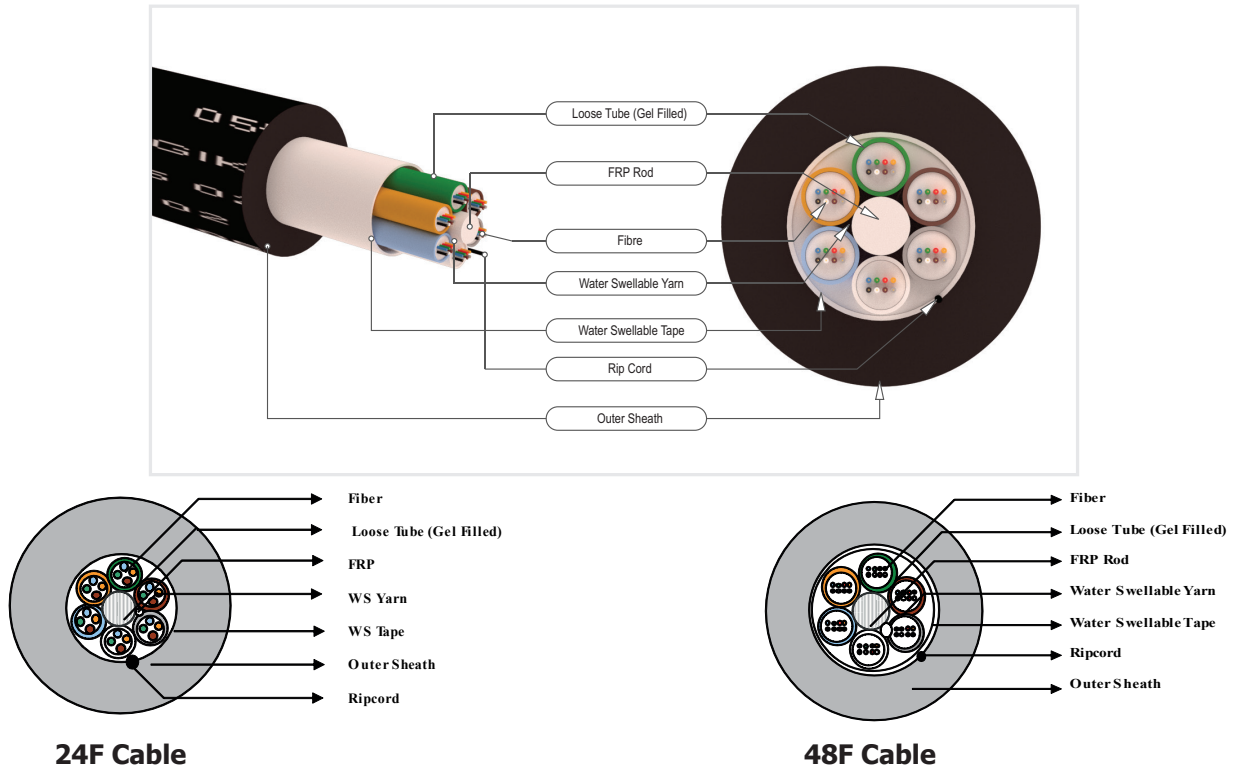


### Multi-Mode (OM3) Multitube Unarmoured Fiber Optic Cable – 24F, 48F Cables

Techlogiks loose tube cables are the product of choice as the backbone in Indoor/Outdoor environments. The loose tube design offers reliable transmission performance over a broad temperature range. Optical Fibers are placed inside filled buffer tubes containing gel. The core is constructed by stranding the buffer tubes around a central member Glass Yarns and a black outer jacket are applied. Rip cords are included under outer jacket for ease of entry.



**Standards Compliance :**

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

**Applications :**

Indoor and Outdoor, 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 cost, Installation of more fibers in less space.

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	(Colored)	250 ± 15 µm

### Cable Construction Details

Parameter	Dimensions	Type, Color
48F		
Number of Fiber per tube	8	Color <span style="color: blue;">Bl</span> <span style="color: orange;">Or</span> <span style="color: green;">Gr</span> <span style="color: brown;">Br</span> <span style="color: grey;">Sl</span> <span style="color: white;">Wh</span> <span style="color: red;">Rd</span> <span style="color: black;">Bk</span>
Number of Loose Tubes	6	Color <span style="color: blue;">Bl</span> <span style="color: orange;">Or</span> <span style="color: green;">Gr</span> <span style="color: brown;">Br</span> <span style="color: grey;">Sl</span> <span style="color: white;">Wh</span>
24F		
Number of Fiber per tube	4	Color <span style="color: blue;">Bl</span> <span style="color: orange;">Or</span> <span style="color: green;">Gr</span> <span style="color: brown;">Br</span>
Number of Loose Tubes	6	Color <span style="color: blue;">Bl</span> <span style="color: orange;">Or</span> <span style="color: green;">Gr</span> <span style="color: brown;">Br</span> <span style="color: grey;">Sl</span> <span style="color: white;">Wh</span>
Moisture Barrier	Water Swellable Yarn & Water Swellable Tape	
		48F
		24F
Loose Tube ID/OD	PBT	1.5/2.2 ± 0.1 mm
Central Strength Member	FRP Rod	2.3 ± 0.1 mm
Outer Sheath	LSOH - Black	1.5 mm (Nominal)
Number of Ripcords	Polyester	1
Overall Cable Diameter		10.0 ± 0.5 mm
Cable Weight		100.0 ± 10 kg
		85 ± 10 kg/km

### Cable Mechanical Characteristics

	48F	24F
Tight Cable		
Tensile Strength	1500 N	1000 N
Crush Resistance	2000 N	2000 N
Torsion	± 180 °	± 180 °
Impact	10 N.m	10 N.m
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-UA	24 Fiber MM OM3 50/125µ Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH
TL-48F-OM3-UA	48 Fiber MM OM3 50/125µ Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH