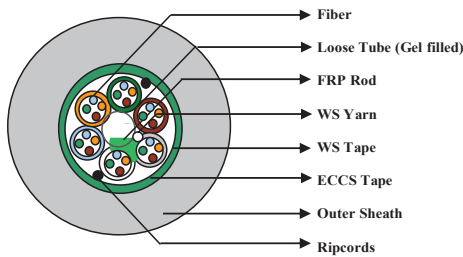
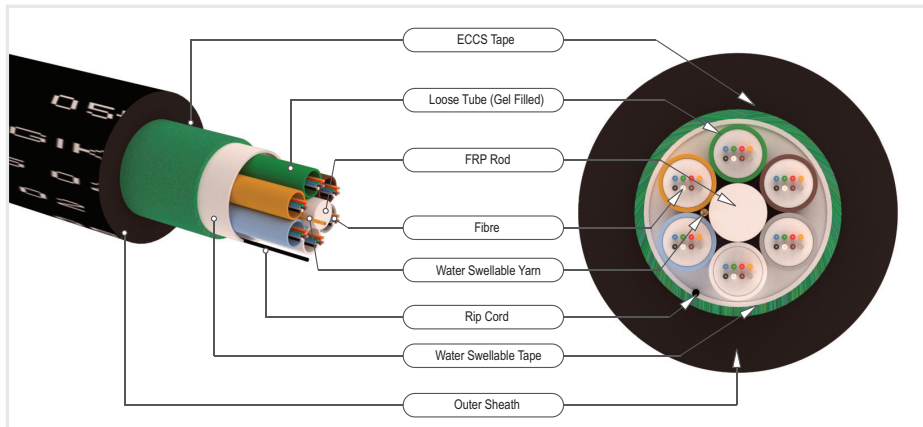
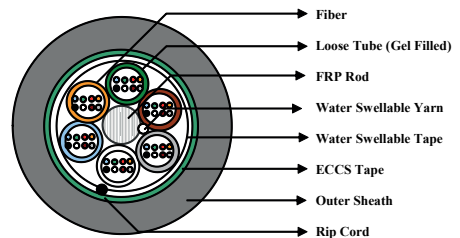


Multi Mode OM3 Multitube Armoured Fiber Optic Cable – 24F, 48F Cables

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 Fibers per Tube	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 Fibers per Tube	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-HDPE/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