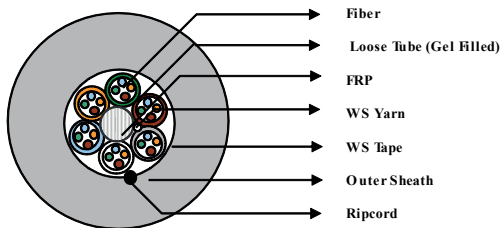
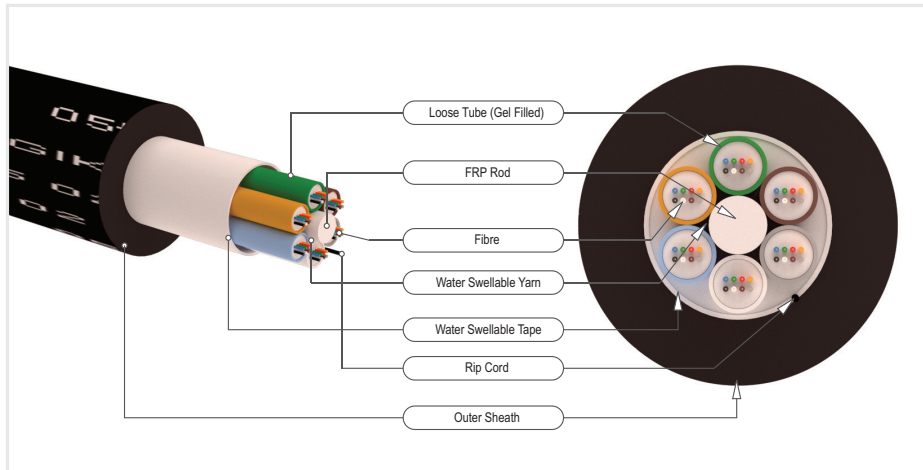
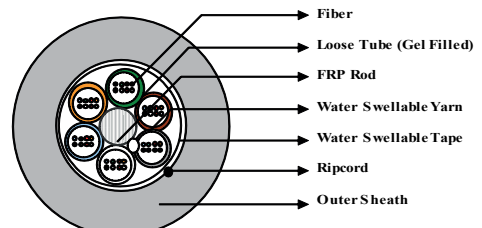


Multi-Mode 62.5/125µ Multitube Unarmoured Fiber Optic Cable – 24F, 48F Cables

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 en-



24F Cable



48F Cable

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	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 Fiber 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 Fiber 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 Tape		
		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
Outer Sheath	LSOH - Black	1.5 mm (Nominal)	1.5 mm (Nominal)
Number of Ripcords	Polyester	1	1
Overall Cable Diameter		10.0 ± 0.5 mm	9.0 ± 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-62-UA	24 Fiber MM 62.5/125µ Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH
TL-48F-62-UA	48 Fiber MM 62.5/125µ Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH