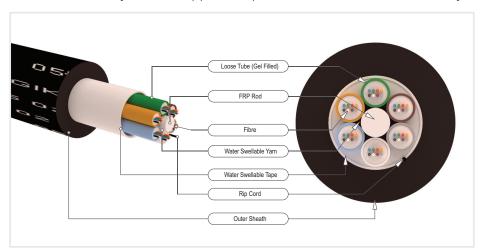
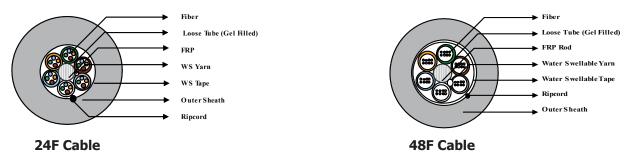


Multi-Mode (OM4) Multitube Unarmored Fiber Optic Cable – 24F, 48F Cables

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 (OM4)			
Attonuation	at 850 nm	≤ 3.0 dB/km		
Attenuation	at 1300 nm	≤ 1.0 dB/km		
Bandwidth	850 nm	≥ 3500 MHz.km		
	1300 nm	≥ 500 MHz.km		
Core Diameter		50 ± 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 Tubes	8	Color	Bl	Or	Gr		SI	Wh	Rd	Bk				
Number of Loose Tubes	6	Color	Bl	Or	Gr		SI	Wh						
24F														
Number of Fiber Per Tubes	4	Color	Bl	Or	Gr	Br								
Number of Loose Tubes	6	Color	Bl	Or	Gr		SI	Wh						
Moisture Barrier Water Swellable Yarn & Water Swellable Tape														
		48	3F				24F							
Loose Tube ID/OD	PBT	1.5/2.2 ± 0.1 mm 1.2/1.9 ± 0.1 mm				1								
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)			l)									
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					
Tight Cable	48F	24F			
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-OM4-UA	24 Fiber MM OM4 50/125μ Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH				
TL-48F-OM4-UA	48 Fiber MM OM4 50/125μ Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH				