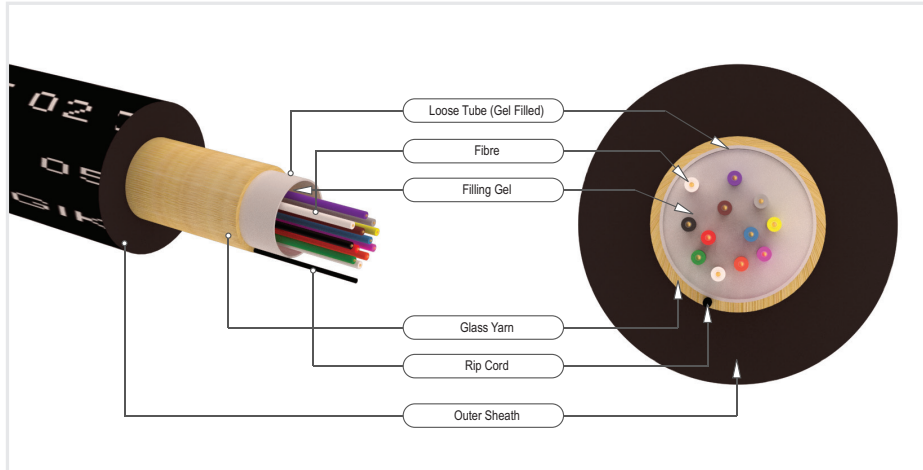


Single Mode Unitube Unarmoured Fiber Optic Cable – 2F, 4F, 6F, 8F, 12F Cables

Techlogiks loose tube cables are the product of choice as the backbone in Indoor/Outdoor environments. Optical Fibers are placed inside filled buffer tubes containing gel and containing up to 12 optical Fibers. The loose tube design offers reliable transmission performance over a broad temperature range.



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

UNARMoured FIBER CABLE

Cable Construction Details														
Parameter	Dimensions	Type, Color												
Number of Fiber per tube	12	Color	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk	Yl	Vi	Pi	Nt
	8	Color	Bl	Or	Gr	Br	Sl	Wh	Rd	Nt				
	6	Color	Bl	Or	Gr	Br	Sl	Nt						
	4	Color	Bl	Or	Gr	Nt								
	2	Color	Bl	Nt										
Number of Loose Tubes	1	Color	Nt											
Loose Tube ID/OD	1.7/2.5 ± 0.1 mm	PBT												
Peripheral Strength Member	---	Glass yarn												
Outer Sheath	1.8 mm (min.)	LSOH - Black												
Number of Ripcords	1	Polyester												
Overall Cable Diameter	7.2 ± 0.5 mm													
Cable Weight	60.0 ± 5 kg/km													

Optical Fibre Characteristics		
Fibre Type	G.652D (OS2)	
Attenuation	at 1310 nm	≤ 0.36 dB/km
	at 1550 nm	≤ 0.23 dB/km
Chromatic Dispersion	1285 - 1330 nm	≤ 3.5 ps/nm.km
	1550 nm	≤ 18 ps/nm.km
Zero Dispersion Wavelength		1300 - 1324 nm
Zero Dispersion Slope		≤ 0.092 ps/nm ² .km
Polarisation Mode Dispersion		≤ 0.2 ps/√km
Cut-off Wavelength	λ _{cc}	≤ 1260 nm
Mode Field Diameter	at 1310 nm	9.3 ± 0.5 μm
Core Cladding Concentricity Error		≤ 0.8 μm
Cladding Diameter		125 ± 1 μm
Cladding Non-circularity		≤ 1 %
Coating Diameter		245 ± 10 μm

Cable Mechanical Characteristics	
Tensile Strength	500 N
Crush Resistance	1000 N
Impact Strength	5 N.m
Torsion	± 180 °
Minimum Bend Radius	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-02F-09-UA	2 Fiber SM OS2 Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH
TL-04F-09-UA	4 Fiber SM OS2 Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH
TL-06F-09-UA	6 Fiber SM OS2 Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH
TL-08F-09-UA	8 Fiber SM OS2 Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH
TL-12F-09-UA	12 Fiber SM OS2 Ind/Out Unarmored Jelly Filled Loose Tube FOC LSZH

UNARMoured FIBER CABLE