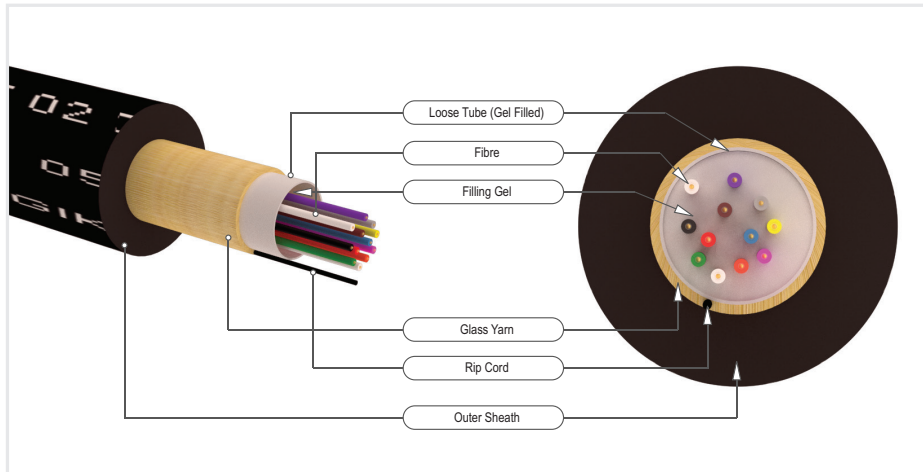


Single Mode Unitube Unarmoured Fiber Optic Cable – 2F, 4F, 6F, 8F, 12F Cables

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

Cable Construction Details

Parameter	Dimensions	Type, Color
Number of Fiber per tube	12	Color: Bl, Or, Gr, Br, Sl, Wh, Rd, Bk, Yl, Vl, Pl, 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	7.3 ± 0.5 mm	
Cable Weight	60.0 ± 5 kg/km	

UNARMoured FIBER CABLE

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	± 360 °
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