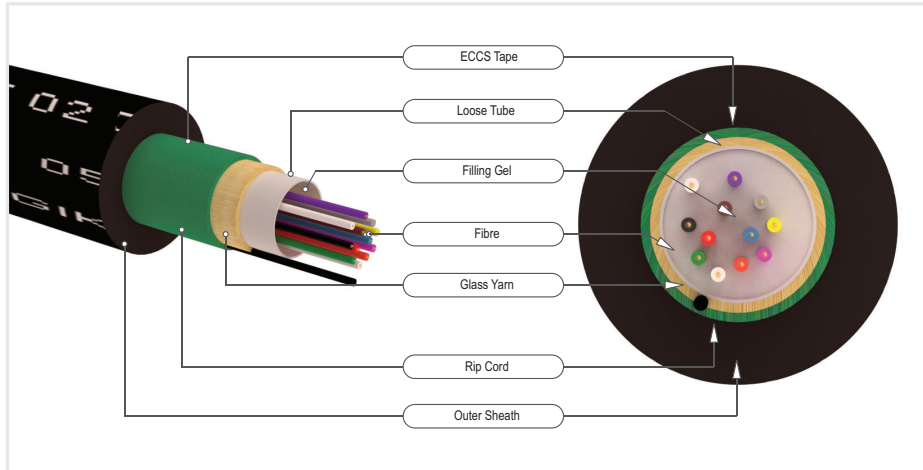


Single Mode OS2 Unitube Armoured Fiber Optic Cable – 2F,4F, 6F, 8F, 12F Cables

Techlogiks armoured Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) environments. Armoured cables are designed for improved mechanical and rodent protection in direct bury applications. The rugged loose tube design offers reliable transmission performance over a broad temperature range and design features optical Fibres placed inside a single gel-filled tube. An ECCS corrugated steel armoured is applied and a black outer jacket completes the cable construction. Ripcords are included under the armor for ease of access to the core tube.



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:

Easy Drop, Multiple network applications, Reduces cable prep and installation time, Reduces cost, Easy Installation

ARMoured FIBER CABLE

Cable Construction Details															
Parameter	Dimensions	Type, Color													
Number of Fiber per tube	12	Color	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk	Yi	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									
Number of Loose Tubes	1	Color	Nt												
	12F	8F	6F			4F			2F						
Loose Tube ID/OD - PBT	2.0/2.8 ± 0.1 mm	1.7/2.5 ± 0.1 mm	1.7/2.5 ± 0.1 mm			1.7/2.5 ± 0.1 mm			1.7/2.5 ± 0.1 mm			1.7/2.5 ± 0.1 mm			
Peripheral Strength Member	Glass Yarn	Glass Yarn	Glass Yarn			Glass Yarn			Glass Yarn			Glass Yarn			
Corrugated Steel Armoring - ECCS Tape	0.150 mm	0.150 mm	0.150 mm			0.150 mm			0.150 mm			0.150 mm			
Outer Sheath - LSOH/HDPE Black	1.8 mm (min.)	1.8 mm (min.)	1.8 mm (min.)			1.8 mm (min.)			1.8 mm (min.)			1.8 mm (min.)			
Number of Ripcords- Polyester	1	1	1			1			1			1			
Overall Cable Diameter	8.5 ± 0.5 mm	8.2 ± 0.5 mm	8.2 ± 0.5 mm			8.2 ± 0.5 mm			8.2 ± 0.5 mm			8.2 ± 0.5 mm			
Cable Weight	95.0 ± 10 kg/km	90.0 ± 5 kg/km	90 ± 10 kg/km			90.0 ± 5 kg/km			90.0 ± 5 kg/km			90.0 ± 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	(Uncolored)	245 ± 10 μm

Cable Mechanical Characteristics

Tensile Strength	750 N
Crush Resistance	2000 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-AR	2 Fiber SM OS2 Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-04F-09-AR	4 Fiber SM OS2 Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-06F-09-AR	6 Fiber SM OS2 Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-08F-09-AR	8 Fiber SM OS2 Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-12F-09-AR	12 Fiber SM OS2 Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-02F-09-AR-PE	2 Fiber SM OS2 Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE
TL-04F-09-AR-PE	4 Fiber SM OS2 Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE
TL-06F-09-AR-PE	6 Fiber SM OS2 Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE
TL-08F-09-AR-PE	8 Fiber SM OS2 Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE
TL-12F-09-AR-PE	12 Fiber SM OS2 Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE