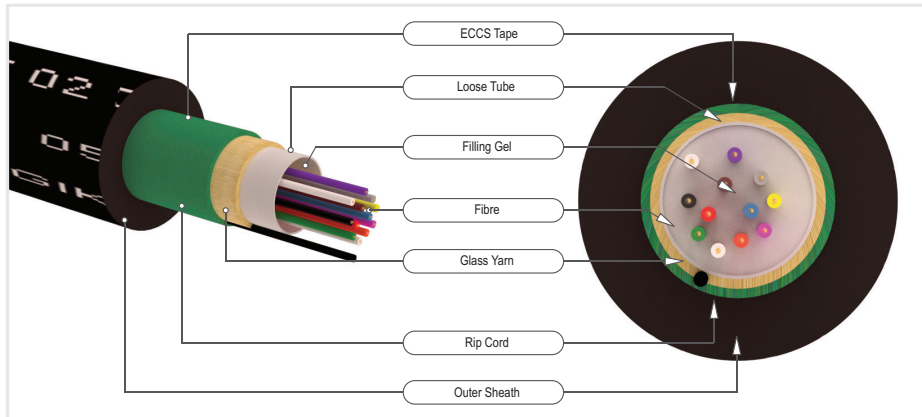


Multi Mode OM3 Unitube Armoured Fiber Optic Cable – 2F, 4F, 6F, 8F, 12F Cables

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. Rip cords are included under the armoured 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

Cable Construction Details

Parameter	Dimensions	Type, Color	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk	Yi	Vi	Pi	Nt
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								
	2	Color	Bl	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	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	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	Glass Yarn	Glass Yarn	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	0.150 mm	0.150 mm	0.150 mm	0.150 mm	0.150 mm	0.150 mm	0.150 mm	0.150 mm
Outer Sheath-HDPE/LSOH-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.)	1.8 mm (min.)	1.8 mm (min.)	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	1	1	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	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	8.2 ± 0.5 mm	8.2 ± 0.5 mm	8.2 ± 0.5 mm
Cable Weight	95 ± 10 kg/km	90.0 ± 5 kg/km	90 ± 10 kg/km	90 ± 10 kg/km	90 ± 10 kg/km	90.0 ± 5 kg/km	90.0 ± 5 kg/km	90.0 ± 5 kg/km	90.0 ± 5 kg/km	90.0 ± 5 kg/km	90.0 ± 5 kg/km	90.0 ± 5 kg/km	90.0 ± 5 kg/km	90.0 ± 5 kg/km

Optical Fibre Characteristics		
Fibre Type	50 µm (OM3)	
Attenuation	at 850 nm	≤ 3.0 dB/km
	at 1300 nm	≤ 1.0 dB/km
Bandwidth	850 nm	≥ 1500 MHz.km
	1300 nm	≥ 500 MHz.km
Core Diameter	50.0 ± 2.5 µm	
Core Cladding Concentricity Error	≤ 1 µm	
Cladding Diameter	125 ± 1 µm	
Cladding Non-circularity	≤ 1 %	
Coating Diameter	250 ± 15 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-OM3-AR	2 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-04F-OM3-AR	4 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-06F-OM3-AR	6 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-08F-OM3-AR	8 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-12F-OM3-AR	12 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC LSZH
TL-02F-OM3-AR-PE	2 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE
TL-04F-OM3-AR-PE	4 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE
TL-06F-OM3-AR-PE	6 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE
TL-08F-OM3-AR-PE	8 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE
TL-12F-OM3-AR-PE	12 Fiber MM OM3 50/125µ Corrugated Steel Armoured Jelly Filled Loose Tube FOC HDPE

ARMoured FIBER CABLE