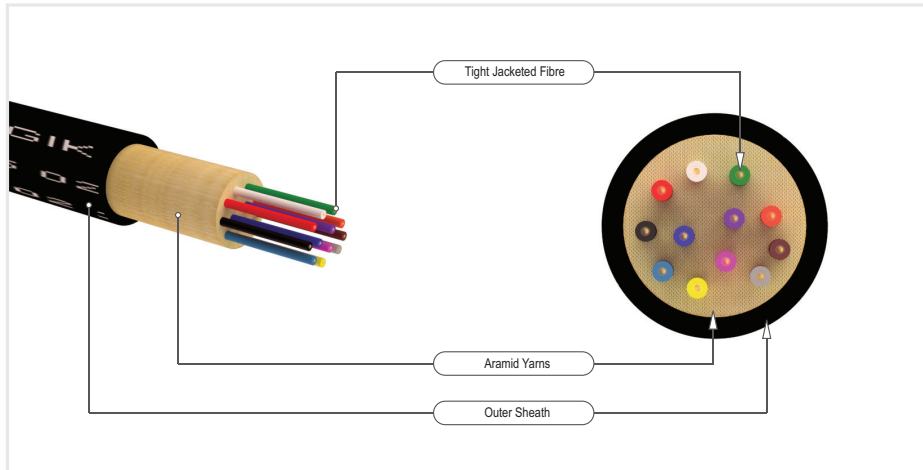


Single Mode OS2 Tight Jacketed Fiber Optic Cable –2F, 4F, 6F, 8F, 12F, 24F

Techlogiks offers the most complete solution for the Indoor application. The tight buffered cables are designed perfectly for inter-equipment connections. These cables have high strength and good banding performance. Nylon/PVC tight buffered fibers up to 900 microns surrounded with strength member Aramid Yarn and overall jacketed with LSZH.



Standards Compliance :

Telecordia GR-20, IEC 60794, EIA/TIA, ITU-T, EN187000, RUS1755.900

Applications :

Indoor, Ducts/Conduits, Local loop, Broadband network

Advantages:

Good bending performance, High tensile strength, tight structure, light weight, Small Dimension, Facilitates flexible installations

Cable Construction Details

Parameter	Dimensions	Type, Color													
Number of tight jacketed Fibers	24	Color	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk	Yi	Vi	Pi	Ag	
			Bl*	Or*	Gr*	Br*	Sl*	Wh*	Rd*	Bk*	Yi*	Vi*	Pi*	Ag*	
	12	Color	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk	Yi	Vi	Pi	Ag	
	8	Color	Bl	Or	Gr	Br	Sl	Wh	Rd	Bk					
	6	Color	Bl	Or	Gr	Br	Sl	Wh							
	4	Color	Bl	Or	Gr	Br									
	2	Color	Bl	Or											
Tight Jacketing over Fiber	850 ± 50 µm	LSZH													
Peripheral Strength Member	---	Aramid Yarn													
Outer Sheath	0.9 mm (Nominal)	LSZH - Black													
	24F	12F	8F	6F	4F	2F									
Overall Cable Diameter	8.5 ± 0.3 mm	6.8 ± 0.5 mm	6.5 ± 0.3 mm	6.0 ± 0.3 mm	5.4 ± 0.3 mm	4.5 ± 0.5 mm									
Cable Weight	60.0 kg (Nom)	45.0 kg (Nom)	35.0 kg (Nom)	30.0 kg (Nom)	25.0 kg (Nom)	20.0 kg (Nom)									

* Longitudinal stripe making on the next 12 colors

Optical Fibre Characteristics		
Fibre Type	G.652D (OS2)	
Attenuation	at 1310 nm	≤ 0.38 dB/km
	at 1550 nm	≤ 0.25 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						
Cable Type	24F	12F	8F	6F	4F	2F
Tensile Strength	1000 N	800 N	600 N	600 N	600 N	600 N
Crush Resistance	500 N	500 N	500 N	500 N	500 N	500 N
Impact Resistance	5 Nm	5 Nm	5 N.m	5 N.m	5 N.m	5 N.m
Minimum Bend Radius	20 x D	20 x D	10 x D	10 x D	10 x D	10 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-TB	2 Fiber SM OS2 Tight Buffered Aramid Yarn Indoor FOC LSZH
TL-04F-09-TB	4 Fiber SM OS2 Tight Buffered Aramid Yarn Indoor FOC LSZH
TL-06F-09-TB	6 Fiber SM OS2 Tight Buffered Aramid Yarn Indoor FOC LSZH
TL-08F-09-TB	8 Fiber SM OS2 Tight Buffered Aramid Yarn Indoor FOC LSZH
TL-12F-09-TB	12 Fiber SM OS2 Tight Buffered Aramid Yarn Indoor FOC LSZH
TL-24F-09-TB	24 Fiber SM OS2 Tight Buffered Aramid Yarn Indoor FOC LSZH

ARMoured FIBER CABLE