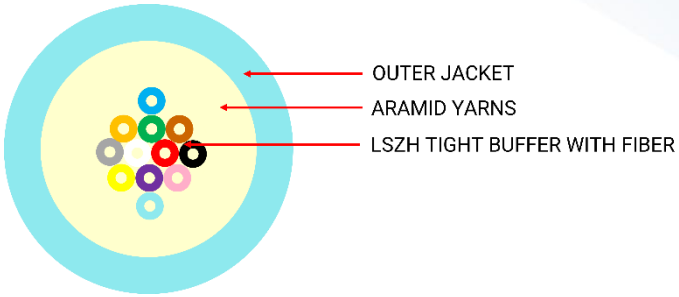
Multi-Mode Indoor Fiber Optic Cable



Indoor fiber optic cables are tight buffer design, usually it consists of aramid yarns distributed over- which is used to strength the cable structure and to resist high tension, FR-LSZH outer jacket makes perfect for indoor applications.

Features

- Conformance to ANSI/TIA-568.3-E, Telcordia GR-20, IEC 60794-2
- Flame retardant LSZH jacket
- Excellent consistent performance
- Covered under 3C3® Performance Warranty

Constructional Specifications

Fiber Count	:	6/12/24
Tight Buffer Material	:	Flame retardant LSZH
Tight Buffer diameter	:	850±50µm
Strength Member	:	Aramid Yarns
Outer Sheath	:	Flame retardant LSZH
Sheath Color	:	Aqua
Nominal Cable diameter	:	6F: 5.2mm 12F: 6.5mm 24F: 8.2mm
Nominal Cable weight	:	6F: 23.0Kg/Km 12F: 36.5Kg/Km 24F: 54.5Kg/Km
Drum Length	:	2 Km ± 5 %

Mechanical Specifications

Specification		Value	Test method
Tensile Strength (Short)	:	660N	IEC 60794-1-2
Tensile Strength (Long)		500N	IEC 60794-1-2
Bend Radius	:	10D	IEC 60794-1-2
Kink Radius	:	5D	IEC 60794-1-2
Crush Resistance (Short)	:	500N /100mm	IEC 60794-1-2
Crush Resistance (Long)	:	100N /100mm	IEC 60794-1-2
Impact Resistance	:	1Nm	IEC 60794-1-2
Torsion Strength	:	±180°	IEC 60794-1-2

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Optical Specifications

Specification		Value	Test method
Fiber Type	:	50/125µm	
Fiber Coating Color	:	Uncolored	
Core Non-circularity	:	≤ 6%	IEC/EN 60793-1-20
Cladding Diameter	:	125.0±0.7µm	IEC/EN 60793-1-20
Core/cladding Concentricity Error	:	≤ 1.5µm	IEC/EN 60793-1-20
Cladding Non-circularity	:	≤ 1.0%	IEC/EN 60793-1-20
Coating Diameter	:	242±7µm	IEC/EN 60793-1-21
Coating/cladding Concentricity Error	:	≤ 12µm	IEC/EN 60793-1-20
Attenuation Co-efficient	:	850nm≤3.0dB/km	IEC/EN 60793-1-40
	:	1300nm≤1.0dB/km	IEC/EN 60793-1-40
Bandwidth	:	850nm≥ 1500MHz.km	
	:	1300nm≥ 500MHz.km	
Effective Mode Bandwidth	:	≥ 4700MHz.km (OM4)	
	:	≥ 2000MHz.km (OM3)	
Attenuation In-homogeneity	:	≤ 0.1dB (500)	
Numerical Aperture	:	0.275±0.015µm	

Environmental Specifications

Installation Temperature	:	-10°C~+60°C
Storage Temperature	:	-40°C~+70°C
Operating Temperature	:	-40°C~+70°C

Standard Compliances/Certifications

- RoHS Certified

Ordering Information

Product Code	Description
51C05-0XXX	High Link Fiber Optic, Tight Buffered Indoor Cable, FR-LSZH, MM C = (2 - OM2, 3 - OM3, 4 - OM4) XXX – Cores (006 – 6F, 012 – 12F, 024 – 24F)

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