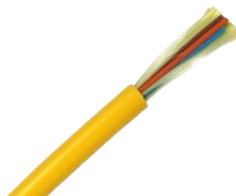


Single Mode Indoor Fiber Optic Cable



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 it perfect for indoor applications.

Features

- Conformance to ANSI/TIA-568.3-D, ITU-T G652.D, Telcordia GR-20, IEC 60794-2
- Flame retardant LSZH jacket
- Excellent consistence performance
- Covered under 3C3® Performance Warranty

Mechanical 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	:	Yellow
Nominal Cable diameter	:	6.5±0.5mm
Tensile Strength	:	660N
Bend Radius	:	10D
Kink Radius	:	5D
Crush Resistance (Short)	:	500N /100mm
Crush Resistance (Long)	:	100N /100mm
Impact Resistance	:	1Nm
Torsion Strength	:	±180 degree
Nominal Cable weight	:	40kg/km ±10%
Drum Length	:	2 Km ± 5 %

Single Mode Indoor Fiber Optic Cable

Optical Specifications

Fiber Type	:	9/125 μ m
Fiber Coating Color	:	Uncolored
Core Non-circularity	:	$\leq 6\%$
Cladding Diameter	:	125.0 \pm 0.7 μ m
Core/cladding Concentricity Error	:	$\leq 0.6\mu$ m
Cladding Non-circularity	:	$\leq 1.0\%$
Coating Diameter	:	242 \pm 7 μ m
Coating/cladding Concentricity Error	:	$\leq 12\mu$ m
Attenuation Co-efficient	:	1310nm \leq 0.35dB/km
	:	1550nm \leq 0.21dB/km
Zero Dispersion Slope	:	≤ 0.092 ps/(nm \cdot km)
Zero Dispersion Wavelength	:	1300~1324nm
Polarization Mode dispersion	:	≤ 0.20 ps/ \sqrt km
Mode Field Diameter	:	1310nm : 9.0 \pm 0.4 μ m
Cut-off wavelength (λ_c)	:	1170~1330nm
Chromatic dispersion	:	1288~1339nm \leq 3.4ps(nm \cdot km)
		1550nm \leq 18 ps/(nm \cdot km)
		1625nm \leq 22 ps/(nm \cdot km)

Environmental Specifications

Installation Temperature	:	-10 $^{\circ}$ C~+60 $^{\circ}$ C
Storage Temperature	:	-40 $^{\circ}$ C~+70 $^{\circ}$ C
Operating Temperature	:	-40 $^{\circ}$ C~+70 $^{\circ}$ C

Regulatory Compliances/Certifications

- RoHS Certified

Ordering Information

Product Code	Description
51005-XXX	High Link Fiber Optic, Tight Buffered Indoor Cable, FR-LSZH, OS2 XXX – 006/ 012/ 024 (Cores)