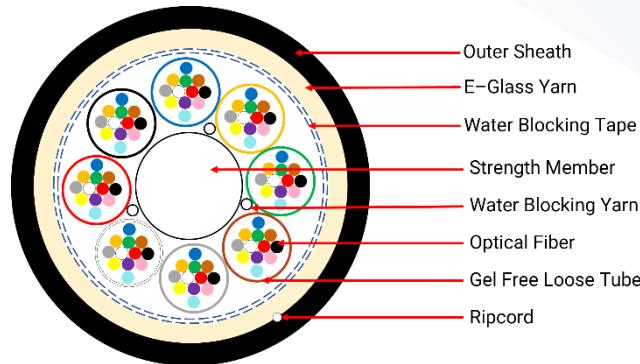


Multi – Mode Indoor/Outdoor Fiber Optic Cable



The Indoor/outdoor fiber optic cables are PBT Multi loose tube with colored fiber cores. The constructions are of dry water-blocking material with Non-Metallic Central Strength member. This cable has LSZH outer jacket and makes it perfect for indoor/outdoor applications.

Features

- Complies to ANSI/TIA-568.3-D, Telcordia GR-20, IEC 60794-2, ISO/IEC 11801, ISO/IEC 24702
- Waterproof layer & excellent moisture resistance provided
- Excellent consistent performance
- Covered under 3C3® Performance Warranty

Constructional Specifications

Fiber Count	:	96F
No. of Loose Tube/Filler	:	8
Fibers per loose Tube	:	12F
Fiber colors	:	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
Loose Tube Color	:	Blue, Orange, Green, Brown, Grey, White, Red, Black
Loose Tube Diameter	:	2.3±0.2mm
Central Strength Member	:	FRP
Water Blocking Material	:	Yarns/ Tape
Outer Sheath	:	LSZH
Sheath Color	:	Black
Nominal Cable diameter	:	10.5±0.5mm
Drum Length	:	2 Km ± 5 %

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Mechanical Specifications

Specification	Value	Test Method
Tensile Strength (Long Term)	: 1000N	IEC-60794-1-E1
Tensile Strength (Short Term)	: 2500N	IEC-60794-1-E1
Bend Radius	: 20D	IEC-60794-1-E11
Kink Radius	: 10D	IEC-60794-1-E11
Crush Resistance (Short)	: 2000N /100mm	IEC-60794-1-E3
Crush Resistance (Long)	: 1000N /100mm	IEC-60794-1-E3
Impact Resistance	: 1Nm	IEC/EN 60794-1-E4
Torsion Strength	: ± 180 degree	IEC/EN 60794-1-E7

Optical Specifications

Specification	Value	Test Method
Fiber Type	: 50/125 μ m	
Fiber Coating Color	: Colored	
Core non-circularity	: $\leq 5\%$	IEC/EN 60793-1-20
Cladding Diameter	: $125.0 \pm 0.7 \mu\text{m}$	IEC/EN 60793-1-20
Core/cladding Concentricity Error	: $\leq 1.0 \mu\text{m}$	IEC/EN 60793-1-20
Cladding non-circularity	: $\leq 1.0\%$	IEC/EN 60793-1-20
Coating Diameter	: $245 \pm 7 \mu\text{m}$	IEC/EN 60793-1-21
Coating/cladding Concentricity Error	: $\leq 12 \mu\text{m}$	IEC/EN 60793-1-20
Attenuation Co-efficient	: $850\text{nm} \leq 2.3\text{dB/km}$	IEC/EN 60793-1-40
	: $1300\text{nm} \leq 0.6\text{dB/km}$	IEC/EN 60793-1-40
Effective Modal Bandwidth	: $\geq 4700\text{MHz.km}$ (OM4) $\geq 2000\text{MHz.km}$ (OM3)	
Attenuation inhomogeneity	: $\leq 0.1\text{dB}$ (500)	
Numerical Aperture	: 0.275 ± 0.015	

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Environmental Specifications

Installation Temperature	:	-40°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
52C22-0096	High Link Fiber Optic, Multi-loose Tube Indoor/Outdoor Cable, Gel free, 12F/T, CSM FRP, Single Sheath Black LSZH, MM, 96F C = (2 - OM2, 3 - OM3, 4 - OM4)