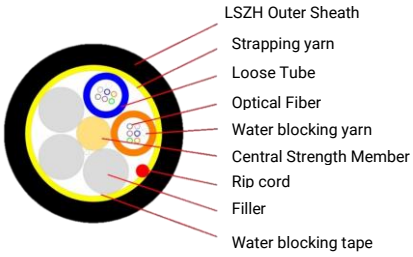
Single Mode Indoor/ Outdoor Fiber Optic Cable (48F)



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 makes it perfect for indoor/outdoor applications.

Features

- Conformance to ANSI/TIA-568.3-D, ITU-T G652.D, Telcordia GR-20, IEC 60794-2/ 60794-3-10
- LSZH jacket
- Water proof layer & excellent moisture resistance provided
- Excellent consistence performance
- Covered under 3C3® Performance Warranty

Mechanical Specifications

Fiber Count	:	48
Fibers per loose Tube	:	12
Fiber colors	:	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Purple, Pink, Aqua
Loose Tube Color	:	Blue, Orange, Green, Brown
Loose Tube Diameter	:	1.8mm
Fillers	:	1
Central Strength Member	:	FRP
Diameter of CSM	:	1.4mm
Water Blocking Material	:	Yarns/ Tape
Outer Sheath	:	LSZH
Sheath Color	:	Black
Nominal Cable diameter	:	9.0±0.5mm
Sheath Thickness	:	1.5mm
Tensile Strength (Long Term)	:	1000N

Kindly note that any specifications including design, measurements, size, dimension, weight and material specifications mentioned for different products across any technical or commercial document are subject to change by Com Core Connexions without any notice.

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Tensile Strength (Short Term)	:	2500N
Bend Radius	:	20D
Kink Radius	:	10D
Crush Resistance (Short)	:	3000N /100mm
Crush Resistance (Long)	:	1000N /100mm
Impact Resistance	:	1Nm
Torsion Strength	:	±180 degree
Nominal Cable weight	:	65 ±5 kg/km
Drum Length	:	2 Km ± 5 %

Optical Specifications

Fiber Type	:	9/125µm
Fiber Coating Color	:	Colored
Core Non-circularity	:	≤ 6%
Cladding Diameter	:	125.0±0.7µm
Core/cladding Concentricity Error	:	≤ 0.6µm
Cladding Non-circularity	:	≤ 1.0%
Coating Diameter	:	245±10µm
Coating/cladding Concentricity Error	:	≤ 12µm
Attenuation Co-efficient	:	1310nm≤0.36dB/km
	:	1550nm≤0.22dB/km
Zero Dispersion Slope	:	≤ 0.092ps/(nm2·km)
Zero Dispersion Wavelength	:	1300~1324nm
Polarization Mode dispersion	:	≤ 0.20 ps/√km
Mode Field Diameter	:	1310nm : 9.0±0.4µm
Cut-off wavelength (λc)	:	1170~1330nm
Chromatic dispersion	:	1288~1339nm≤3.4ps(nm·km)
		1550nm≤18 ps/(nm·km)
		1625nm≤22 ps/(nm·km)

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Environmental Specifications

Installation Temperature	:	-30^0C~$+70^0C$
Storage Temperature	:	-45^0C~$+75^0C$
Operating Temperature	:	-40^0C~$+70^0C$

Ordering Information

Product Code	Description
52022-048	High Link Fiber Optic, Multi-loose Tube Indoor/Outdoor Cable, Gel free, 6F/T, CSM FRP, Single Sheath Black LSZH, OS2, 48Core

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