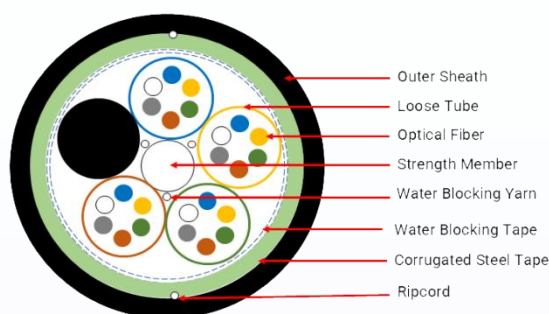


Single Mode Outdoor Fiber Optic Cable (24F)



The Outdoor fiber optic cables are PBT Multi loose tube with colored fiber cores. The constructions are of water-blocking gel material with Non-Metallic Central Strength member & ECCS armoring. This cable has an HDPE outer jacket which makes it perfect for outdoor applications.

Features

- Complies to ANSI/TIA-568.3-D, ITU-T G652.D, Telcordia GR-20, IEC 60794-2/ 60794-3-10, IEC 60793-1, IEC 60793-2
- Waterproof layer & excellent moisture resistance provided
- Excellent consistent performance
- Covered under 3C3® Performance Warranty

Constructional Specifications

Fiber Type	: G652 D - Low Water Peak
Fiber Count	: 24F
Fibers per loose Tube	: 6F/T
Fiber colors	: Blue, Orange, Green, Brown, Grey, White
Loose Tube Color	: Blue, Orange, Green, Brown, Filler
Loose Tube Diameter	: 1.8mm
Central Strength Member	: FRP
Diameter of CSM	: 1.5mm
Water Blocking Material	: Thixotropic Gel
Armoring	: Corrugated Steel Tape
Outer Sheath	: HDPE UV Resistance
Outer Sheath Color	: Black
Outer Sheath Thickness	: 1.3mm Nominal
Nominal Cable diameter	: 9.0 ± 0.8mm
Nominal Cable weight	: 90 Kg/Km Nominal
Drum Length	: 2 Km ± 5 %

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Mechanical Specifications

Specification	Value	Test Method
Tensile Strength (Long Term)	: 2000N	IEC-60794-1-E1
Tensile Strength (Short Term)	: 4000N	IEC-60794-1-E1
Bend Radius	: 20D	IEC-60794-1-E11
Kink Radius	: 10D	IEC-60794-1-E11
Crush Resistance	: 4000N /100mm	IEC-60794-1-E3
Torsion Strength	: ±180 degree	IEC/EN 60794-1-E7

Optical Specifications

Specification	Value	Test Method
Fiber Type	: 9/125μm	
Fiber Coating Color	: Colored	
Core non-circularity	: ≤ 1%	IEC/EN 60793-1-20
Cladding Diameter	: 125.0±0.7μm	IEC/EN 60793-1-20
Core/cladding Concentricity Error	: ≤ 0.6μm	IEC/EN 60793-1-20
Cladding non-circularity	: ≤ 0.8%	IEC/EN 60793-1-20
Coating Diameter	: 242±5μm	IEC/EN 60793-1-21
Coating/cladding Concentricity Error	: ≤ 12μm	IEC/EN 60793-1-20
Attenuation Co-efficient	: 1310nm≤0.35dB/km	IEC/EN 60793-1-40
	: 1550nm≤0.21dB/km	IEC/EN 60793-1-40
Zero dispersion slope	: ≤ 0.092ps/ (nm ² . km)	
Zero dispersion wavelength	: 1300~1324nm	
Polarization mode dispersion	: ≤ 0.2 ps/√km	
Mode field diameter	: 1310nm : 9.2±0.5μm	IEC/EN 60793-1-45
Cut-off wavelength (λ _c)	: ≤1260nm	IEC/EN 60793-1-44
Chromatic dispersion	: 1270~1340nm≤5.3ps (nm - km)	IEC/EN 60793-1-42
	: 1285~1330nm≤3.5ps (nm - km)	IEC/EN 60793-1-42
	: 1550nm≤18 ps/ (nm - km)	IEC/EN 60793-1-42

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Environmental Specifications

Installation Temperature	:	-30°C~+70°C
Storage Temperature	:	-40°C~+70°C
Operating Temperature	:	-40°C~+70°C

Standard Compliances/Certifications

- RoHS Complaint