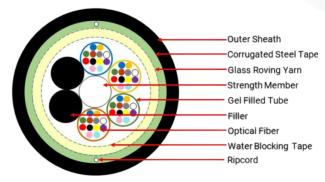


Multi-Mode Outdoor Fiber Optic Cable (48F)



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 LSZH outer jacket and makes it perfect for outdoor applications

Features

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

Constructional Specifications

Fiber Count : 48F Fibers per loose Tube : 12

Fiber colors : Blue, Orange, Green, Brown, Grey, White, Red,

Black, Yellow, Violet, Pink and Aqua

Loose Tube Color : Blue, Orange, Green, Brown

Loose Tube Diameter : 2.0mm
Fillers : 2
Central Strength Member : FRP
Diameter of CSM : 1.4mm

Water Blocking Material : Thixotropic Gel
Outer Sheath : LSZH UV Resistance

Sheath Color : Black

Nominal Cable diameter : 12.5±0.5mm Sheath Thickness : 2.0mm

Nominal Cable weight : $145 \pm 5 \text{ kg/km}$ Drum Length : $2 \text{ Km} \pm 5 \%$

Page 1 of 3

Kindly note that any specifications including design, measurements, size, dimension, weight and material specifications mentioned across any technical or commercial document are change by 3C3 India Pvt. Ltd., without any notice.

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Multi-Mode Outdoor Fiber Optic Cable (48F)

Mechanical Specifications

Specification Value Test Method Tensile Strength (Long Term) 2500N 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 (Short) 4000N /100mm IEC-60794-1-E3 Crush Resistance (Long) 3000N /100mm IEC-60794-1-E3 Impact Resistance 10 Joule IEC/EN 60794-1-E4 **Torsion Strength** ±180 degree IEC/EN 60794-1-E7

Optical Specifications

Value **Test Method** Specification

Fiber Type 50/125µm **Fiber Coating Color** Colored

Core non-circularity ≤ 6% IEC/EN 60793-1-20 Cladding Diameter 125.0±0.7um IEC/EN 60793-1-20 ≤ 1.5µm IEC/EN 60793-1-20

Core/cladding Concentricity

Error

Cladding non-circularity ≤ 1.0% IEC/EN 60793-1-20 Coating Diameter 242±7µm IEC/EN 60793-1-21 Coating/cladding ≤ 12µm IEC/EN 60793-1-20

Concentricity Error

Attenuation Co-efficient 850nm≤2.5dB/km IEC/EN 60793-1-40

> 1300nm≤0.8dB/km IEC/EN 60793-1-40

Effective Modal Bandwidth ≥ 4700MHz.km (OM4)

≥ 2000MHz.km (0M3)

Attenuation inhomogeneity ≤ 0.1 dB(500) **Numerical Aperture** 0.275±0.015

Page 2 of 3

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Multi-Mode Outdoor Fiber Optic Cable (48F)

Environmental Specifications

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

Standard Compliances/Certifications

RoHS Certified

Ordering Information

Product Code 53C32-0048

Description

High Link Fiber Optic, Armored, Multi-loose Tube Outdoor Cable, Gel filled, 12F/T, CSM FRP, Single Sheath Black LSZH, MM C = 2 - 0M2, 3 - 0M3, 4 - 0M4

Page 3 of 3

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