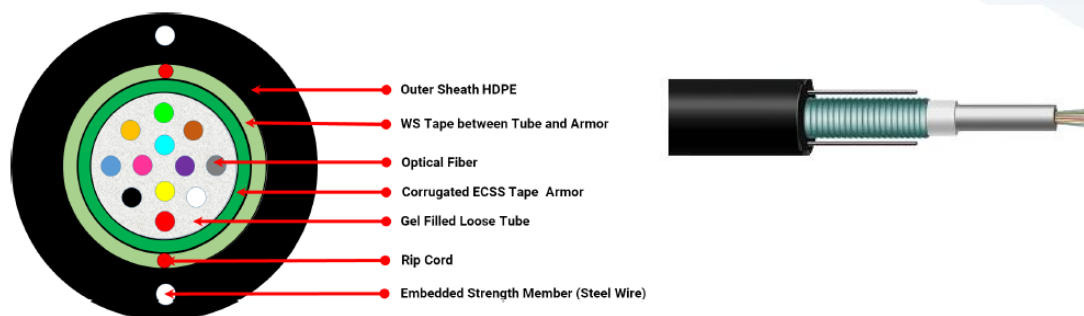


# Multi-Mode Uniloose Tube Outdoor Fiber Optic Cable (6F~12F)



Multi-Mode Uniloose tube, single sheath ECCS tape armored optical fiber cable is suitable for duct and aerial applications. We supply Uniloose tube cable of 6 fiber cores. Fiber cable is perfectly suited for both gigabit Ethernet and 10 gigabit Ethernet campus and backbone applications.

## Features

- Complies to ANSI/TIA-568.3-D, Telcordia GR-20, IEC 60794-2/60794-3-10, ISO/IEC 11801, ISO/IEC 24702
- HDPE UV Resistance jacket
- ECCS tape Armoring
- Water proof layer & excellent moisture resistance provided
- Excellent consistence performance
- Covered under 3C3® Performance Warranty

## Constructional Specifications

|                          |   |
|--------------------------|---|
| Fiber Count              | : 6/12  |
| No. of Tube              | : 1   |
| Tube diameter            | : 3.0 ±0.1 mm   |
| Fiber colors             | : Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Purple, Pink, Aqua |
| Embedded Strength Member | : 2x1.0mm Steel wire embedded in sheath   |
| Water Blocking Material  | : WS tape   |
| Outer Sheath             | : HDPE UV Resistance  |
| Sheath Color             | : Black   |
| Nominal Cable diameter   | : 9 ±0.5mm  |
| Nominal Cable weight     | : 86kg/km ±10%  |
| 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) | : 3000N        | IEC-60794-1-E1    |
| Bend Radius                   | : 20D          | IEC-60794-1-E11   |
| Kink Radius                   | : 10D          | IEC-60794-1-E11   |
| Crush Resistance (Long)       | : 2000N /100mm | IEC-60794-1-E3    |
| Crush Resistance (Short)      | : 3000N/ 100mm | IEC-60794-1-E3    |
| Impact Resistance             | : 25Nm         | IEC/EN 60794-1-E4 |
| Torsion Strength              | : $\pm 180^0$  | IEC/EN 60794-1-E7 |

## Optical Specifications

| Specification                        | Value                      | Test Method       |
|--------------------------------------|----------------------------|-------------------|
| Fiber Type                           | : 50/125 $\mu$ m           |                   |
| Fiber Coating Color                  | : Colored                  |                   |
| Core Non-circularity                 | : $\leq 6\%$               | IEC/EN 60793-1-20 |
| Cladding Diameter                    | : 125.0 $\pm$ 0.7 $\mu$ m  | IEC/EN 60793-1-20 |
| Core/cladding Concentricity Error    | : $\leq 1.5\mu$ m          | IEC/EN 60793-1-20 |
| Cladding Non-circularity             | : $\leq 1.0\%$             | IEC/EN 60793-1-20 |
| Coating Diameter                     | : 245 $\pm$ 7 $\mu$ m      | IEC/EN 60793-1-21 |
| Coating/cladding Concentricity Error | : $\leq 12\mu$ m           | IEC/EN 60793-1-20 |
| Attenuation Co-efficient             | : 850nm $\leq$ 2.5dB/km    | IEC/EN 60793-1-40 |
|                                      | : 1300nm $\leq$ 0.8dB/km   | IEC/EN 60793-1-40 |
| Effective Modal Bandwidth            | : $\geq 4700$ MHz.km (OM4) |                   |
|                                      | : $\geq 2000$ MHz.km (OM3) |                   |
| Attenuation inhomogeneity            | : $\leq 0.1$ dB(500)       |                   |
| Numerical Aperture                   | : 0.275 $\pm$ 0.015        |                   |

# Multi-Mode Uniloose Tube Outdoor Fiber Optic Cable(6F~12F)

## Environmental Specifications

|                          |               |
|--------------------------|---------------|
| Installation Temperature | : -10°C~+70°C |
| Storage Temperature      | : -40°C~+70°C |
| Operating Temperature    | : -40°C~+70°C |

## Standard Compliances/Certifications

- RoHS

## Ordering Information

**Product Code**  
53C11-0XXX

**Description**

High Link Fiber Optic, Uniloose Tube Outdoor Cable, Gel filled,  
Peripheral Steel rod Strength Member, Single Sheath Black HDPE  
C = (2=OM2, 3=OM3, 4=OM4)  
XXX = Cores (006 - 6Core, 0012 - 12Core)