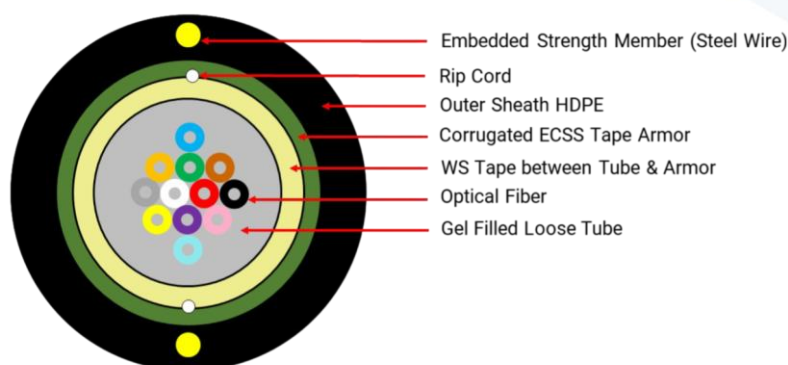


Multi – Mode Uniloose Tube Outdoor Fiber Optic Cable (6F~12F)



Multi-Mode Uniloose tube, single sheath ECCS tape armored optical fiber cable is suitable for duct and aerial applications. This cable has HDPE outer jacket and makes it perfect for backbone and outdoor applications

Features

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

Constructional Specifications

Fiber Count	:	6/12F
No. of Tube	:	1
Tube diameter	:	3.0 ±0.2 mm
Fiber colors	:	6F: Blue, Orange, Green, Brown, Grey, White, 12F: 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 %

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

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 μ m	
Fiber Coating Color	: Colored	
Core Non-circularity	: $\leq 6\%$	IEC/EN 60793-1-20
Cladding Diameter	: 125.0 $\pm$ 0.7 μ 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 μ 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	: ≥ 4700 MHz.km (OM4)	
	: ≥ 2000 MHz.km (OM3)	
Attenuation inhomogeneity	: ≤ 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 to +70°C
Storage Temperature	:	-40°C to +70°C
Operating Temperature	:	-40°C to +70°C

Standard Compliances/Certifications

- RoHS Certified

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 – 6F, 012 – 12F)