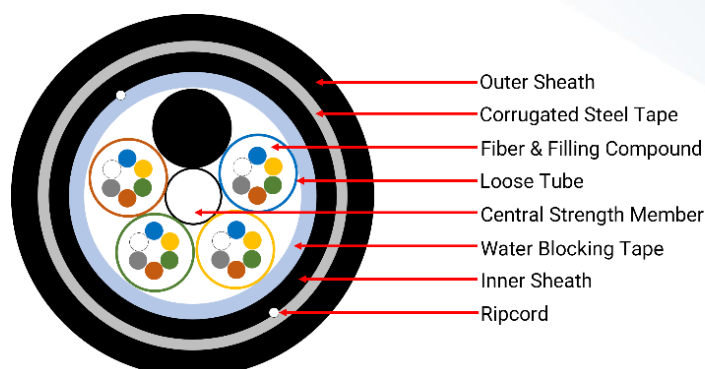


# Direct Burial Multi Mode Fiber Optic Cable



Multi-Mode Multi Loose Tube, Double Sheath, and optical fiber cables are perfect for direct burial applications. These cables are perfectly suited for both gigabit Ethernet and 10 gigabit Ethernet campus and backbone applications.

## Features

- Complies to ANSI/TIA-568.3-E, Telcordia GR-20, IEC 60794-2, ISO/IEC 11801, ISO/IEC 24702
- UV Protected Outer Sheath
- Excellent waterproof layer and good moisture resistance
- Excellent consistent performance
- Covered under 3C3® Performance Warranty

## Constructional Specifications

Fiber Count	:	6F	12F	24F
Loose Tube/Fillers	:	1/4	2/3	4/1
Fiber per tube	:	6F/T		
Loose Tube Material	:	PBT		
Loose Tube Diameter	:	1.8±0.1 mm		
Fiber Color	:	Blue, Orange, Green, Brown, Grey, White		
Loose Tube Color	:	Blue, Orange, Green, Brown, Filler		
Water Blocking Element	:	Water Block Tape		
Armor	:	Corrugated Steel Tape		
Central Strength Member	:	FRP		
Inner Sheath	:	HDPE		
Outer Sheath	:	HDPE		
Cable Diameter	:	13.6±0.5mm		
Cable Weight	:	180kg/Km		

# Direct Burial Multi Mode Fiber Optic Cable

## Mechanical Specifications

Specification	Value	Test Method
Tensile Strength Long	: 1500	IEC-60794-1-E1
Tensile Strength Short	: 4000	IEC-60794-1-E1
Crush Resistance Long	: 1500	IEC-60794-1-E3
Crush Resistance Short	: 4000	IEC-60794-1-E3
Bending Radius Installation	: 30 X OD	IEC-60794-1-E11
Bending Radius Operation	: 10 X OD	IEC-60794-1-E11

## Optical Specifications

Specification	Value	Test Method
Fiber Type	: 50/125 $\mu$ m	
Core Diameter	: 50.0 $\pm$ 2.5 $\mu$ m	IEC/EN 60793-1-20
Core non-circularity	: $\leq$ 5%	IEC/EN 60793-1-20
Cladding diameter	: 124.8 $\pm$ 1.0 $\mu$ m	IEC/EN 60793-1-20
Core/cladding concentricity error	: $\leq$ 1.0 $\mu$ 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 60793-1-20
Coating/cladding concentricity error	: $\leq$ 12 $\mu$ m	IEC/EN 60793-1-20
Coating Non-Circularity	: $\leq$ 6.0%	IEC/EN 60793-1-20
Attenuation coefficient	: 850nm $\leq$ 2.3dB/km	IEC/EN 60793-1-40
	: 1300nm $\leq$ 0.6dB/km	IEC/EN 60793-1-40
OFL Bandwidth	: 850nm $\geq$ 1500 MHz/km	
	: 1300nm $\geq$ 500MHz/km	
Effective Modal Bandwidth	: $\geq$ 4700MHz.km (OM4)	
	: $\geq$ 2000MHz.km (OM3)	
Attenuation inhomogeneity	: $\leq$ 0.1dB (500)	
Numerical Aperture	: 0.275 $\pm$ 0.015	

# Direct Burial Multi Mode Fiber Optic Cable

## Environmental Specifications

Installing temperature	:	-40°C~+60°C
Operating temperature	:	-40°C~+70°C
Storage temperature	:	-40°C~+70°C

## Standard Compliances/Certifications

- RoHS Certified

## Ordering Information

### Product Code

55C11-0XXX

### Description

High Link Optic Fiber, Multi-loose Tube Outdoor Direct Burial Cable,  
Gel filled, CSM FRP, Double Sheath Black Inner HDPE Outer HDPE,  
MM  
C = (2 - OM2, 3 - OM3, 4 - OM4)  
XXX – Cores (006 – 6F, 012 – 12F, 024 – 24F)