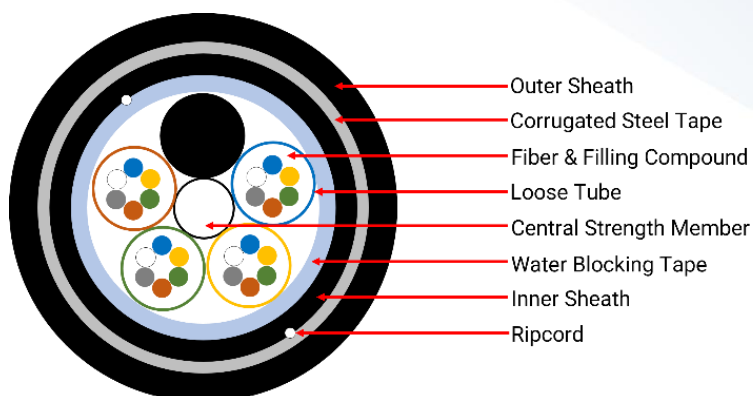


Direct Burial Single Mode Fiber Optic Cable



Single 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

- Conformance to ANSI/TIA-568.3-D, ITU-T G652.D, Telcordia GR-20, IEC 60794-3-10
- UV Protected Outer Sheath
- Excellent waterproof layer and good moisture resistance
- Excellent consistent performance
- Covered under 3C3® Performance Warranty

Constructional Specifications

Fiber Type	:	G652D		
Fiber Count	:	6F	12F	24F
Loose Tube/Fillers	:	1/4	2/3	4/1
Fiber per tube	:	6		
Fiber Color	:	Blue, Orange, Green, Brown, Grey, White		
Loose Tube Material	:	PBT		
Loose Tube Diameter	:	1.8±0.1 mm		
Water Blocking Element	:	Water Block Tape		
Armour	:	Corrugated Steel Tape		
Central Strength Member	:	FRP		
Inner Sheath	:	HDPE		
Outer Sheath	:	HDPE		
Cable Diameter	:	13.6±0.5mm		
Cable Weight	:	180kg/Km		

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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
Core non-circularity	: $\leq 6\%$	
Cladding diameter	: $125.0 \pm 1 \mu\text{m}$	
Core/cladding concentricity error	: $\leq 0.6 \mu\text{m}$	IEC/EN 60793-1-20
Cladding non-circularity	: $\leq 1.0\%$	IEC/EN 60793-1-20
Coating diameter	: $245 \pm 10 \mu\text{m}$	IEC/EN 60793-1-20
Coating/cladding concentricity error	: $\leq 12 \mu\text{m}$	IEC/EN 60793-1-20
Attenuation coefficient	: $1310\text{nm} \leq 0.36\text{dB/km}$: $1550\text{nm} \leq 0.22\text{dB/km}$	IEC/EN 60793-1-40 IEC/EN 60793-1-40
Zero dispersion slope	: $\leq 0.092\text{ps}/(\text{nm}^2 \cdot \text{km})$	
Zero dispersion wavelength	: $1302 \sim 1324\text{nm}$	
Polarization mode dispersion	: $\leq 0.20 \text{ ps}/\sqrt{\text{km}}$	
Mode field diameter	: $1310\text{nm} : 9.0 \pm 0.4 \mu\text{m}$	IEC/EN 60793-1-45
Cut-off wavelength (λ_c)	: $\leq 1260\text{nm}$	IEC/EN 60793-1-44
Chromatic dispersion	: $1288 \sim 1339\text{nm} \leq 3.4\text{ps}(\text{nm} \cdot \text{km})$: $1550\text{nm} \leq 18 \text{ ps}/(\text{nm} \cdot \text{km})$: $1625\text{nm} \leq 22 \text{ ps}/(\text{nm} \cdot \text{km})$	IEC/EN 60793-1-42 IEC/EN 60793-1-42 IEC/EN 60793-1-42

Direct Burial Single 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	Description
55011-0XXX	High Link Optic Fiber, Multi-loose Tube Outdoor Direct Burial Cable, Gel filled, CSM FRP, Double Sheath Black Inner HDPE Outer HDPE, OS2. XXX – Cores (006 – 6F, 012 – 12F, 024 – 24F)