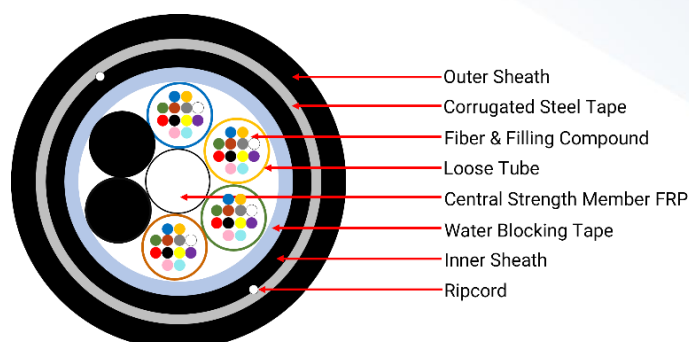


Direct Burial Multi Mode Fiber Optic Cable – 48F



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	: 48F
Fiber per tube	: 12F/T
Loose Tube Material	: PBT
Loose Tube Diameter	: 1.9±0.1 mm
Fiber Color	: Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
Loose Tube Color	: Blue, Orange, Green, Brown, Grey, White, Red, Black
Water Blocking Element	: Water Block Tape
Aarmor	: Corrugated Steel Tape
Central Strength Member	: FRP
Inner Sheath	: HDPE
Inner Sheath Color	: Black
Outer Sheath	: HDPE
Outer Sheath Color	: Black
Cable Diameter	: 13.8±0.5mm
Cable Weight	: 185kg/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
Fiber Type	: 50/125μm	
Core Diameter	: 50.0±2.5μm	IEC/EN 60793-1-20
Core non-circularity	: ≤ 5%	IEC/EN 60793-1-20
Cladding diameter	: 124.8±1.0μm	IEC/EN 60793-1-20
Core/cladding concentricity error	: ≤ 1.0μm	IEC/EN 60793-1-20
Cladding non-circularity	: ≤ 1.0%	IEC/EN 60793-1-20
Coating diameter	: 245±7μm	IEC/EN 60793-1-20
Coating/cladding concentricity error	: ≤ 12μm	IEC/EN 60793-1-20
Coating Non-Circularity	: ≤ 6.0%	IEC/EN 60793-1-20
Attenuation coefficient	: 850nm≤2.3dB/km	IEC/EN 60793-1-40
	: 1300nm≤0.6dB/km	IEC/EN 60793-1-40
OFL Bandwidth	: 850nm≥1500 MHz/km	
	: 1300nm≥500MHz/km	
Effective Modal Bandwidth	: ≥ 4700MHz.km (OM4)	
	: ≥ 2000MHz.km (OM3)	
Attenuation inhomogeneity	: ≤ 0.1dB(500)	
Numerical Aperture	: 0.275±0.015	

Direct Burial Multi Mode Fiber Optic Cable – 48F

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
55C11-0048	High Link Optic Fiber, Multi-loose Tube Outdoor Direct Burial Cable, Gel filled, CSM FRP, Double Sheath Black Inner HDPE Outer HDPE, 48F, MM C = (2 - OM2, 3 - OM3, 4 - OM4)