

Fiber Drop cables Datasheet

Design for FTTX network application in harsh outdoor environment



Fiber Drop cables

Fiber Drop Cable with factory-terminated, environmentally sealed, and hardened connectors reduces the cost and the time of drop cable deployment in optical access networks. It is technician-friendly to greatly simplify installation and maintenance by minimizing splicing. The cables, used alone or integrated into hardware products, must be able to protect against environmental factors common in the harsh outdoor conditions.

Standards Compliance

- ISO 27001
- ISO 45001
- ISO 9001
- ISO 14001

Features

- Available in a Variety of Custom Lengths
- G.657.A2 Fiber Provides Greater Bandwidth and Enhances Network Transmission Characteristics
- IP68 Rating to Protect Against Dust and Water Ingress in Harsh Environments
- Compatible with the Standard SC/APC Connectors
- Factory-Terminated Cable Reduces the Cost and Time in Optical Access Networks
- Requires Lower Level of Field Craft with Simple Plug and Play Connection
- Used for FTTX Network Application in Harsh Outdoor Environment

Specifications

	Description		
Connector A	Hardened SC APC	Hardened SC APC	SC APC
Connector B	Hardened SC APC	SC APC	SC APC
Fiber Count	1 Fiber		
Fiber Grade	G.657.A2		
Fiber Mode	OS2 9/125μm		
Wavelength	1310/1550nm		
Trunk Outside Diameter (OD)	5.0mm	2.0×5.0mm	2.0×5.0mm
Breakout Outside Diameter (OD)	-	2.0×3.0mm	2.0×3.0mm
Min. Bend Radius (Optical Fiber)	7.5mm		
Min. Bend Radius (Fiber Cable)	20/10D (Dynamic/Static)	60/40mm (Dynamic/Static)	60/40mm (Dynamic/Static)
Cable Jacket	LSZH		
Breakout Length	-	300±50mm	300±50mm
Crush Resistance	1200N/100mm (Short Term)	500N/100mm (Short Term)	500N/100mm (Short Term)
Tensile Load	1200N (Short Term)	400N (Short Term)	400N (Short Term)
Insertion Loss	≤0.3dB		
Return Loss	≥60dB		
Attenuation	≤0.36dB/km at 1310nm ≤0.22dB/km at 1550nm	≤0.4dB/km at 1310nm ≤0.3dB/km at 1550nm	≤0.4dB/km at 1310nm ≤0.3dB/km at 1550nm
Operating Temperature	-20 to 70°C (-4 to 158°F)		
Storage Temperature	-10 to 50°C (14 to 122°F)		

Product List

ID	Description
348571	Customized Length Fiber Drop Cable, 1F, OS2, Hardened to Hardened SC APC, LSZH
348573	Customized Length Fiber Drop Cable, 1F, OS2, SC APC to SC APC, LSZH
348575	Customized Length Fiber Drop Cable, 1F, OS2, Hardened to SC APC, LSZH