

Fiber Cable Assemblies

Drop Node Assemblies

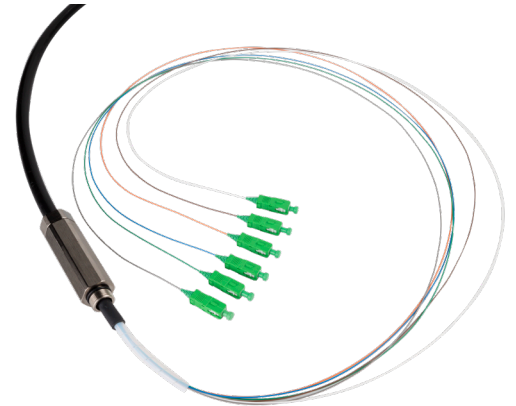


Application

Drop Node Assemblies are designed to connect the optical distribution node to the optical drop cable in a CATV network.

Description

Clearfield® ensures the quality of its Drop Node Assemblies by utilizing factory terminated connectors, a fully water-blocked entry connector, loose tube, gel-filled cable (on most assemblies) and a GR-326 compliant 900 µm fiber termination process. This provides exceptional performance and stability over a full range of outdoor temperatures and environmental conditions. The end-user gains complete control over drop access and reconfiguration.



Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Drop Node Assemblies make ease of installation into Optical Distribution Node (ODN)
- Supports industry standard singlemode fiber

Protection

- Rugged cable design protects against harsh outdoor environments
- Fibers up-jacketed using materials which can endure temperatures from -40°C to 200°C
- Cables using loose tube gel-filled OSP cable are sealed to eliminate water penetration
- Feed Through Fitting (FTF) strain relief guarantees that movement does not occur at the transition into the ODN
- Strain relief matches cable load rating

Access

- Industry standard terminations include SC and LC (ask a Clearfield representative for other available connectors)
- Provides maximum cable management inside ODN using 900 µm or 2 mm up-jacket

Investment

- Drop Node Assemblies offer a rugged solution for deploying fiber in any outdoor optical network
- Environmentally stable, low-insertion loss, minimal back reflection
- All assemblies are 100% tested

Fiber Cable Assemblies

Drop Node Assemblies



Technical Specifications

Drop Node Assemblies	
Core Size and Type	Singlemode
Fiber Count	2-fiber, 4-fiber, 6-fiber (Riser) 4-fiber, 6-fiber, 8-fiber (Armored)
Jacket O.D.	900 µm, 2.0 mm
Cable Types	Outdoor (Riser), Outdoor Armored (Non-Rated)
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC,
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Breakout Length	Half meter, one meter, pulling eye, custom

Minimum Performance Specifications for Terminated Singlemode Connectors

Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical	Max. Ins. Loss	Min. Ret. Loss
SC	Ceramic	UPC	0.15 dB	0.30 dB	55.00 dB
LC	Ceramic	UPC	0.15 dB	0.30 dB	55.00 dB
SC	Ceramic	APC	0.20 dB	0.30 dB	65.00 dB
LC	Ceramic	APC	0.20 dB	0.30 dB	65.00 dB

Configured Part Numbers

N 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 XXXM or XXXF

1 Select Cable Construction
 B = OSP, riser rated
 M = OSP, armored, (non-rated) gel filled

4 Select Breakout # 1
 B = 1 meter
 C = 0.5 meter

7 Select Breakout # 2
 B = 1 meter
 C = 0.5 meter
 Z = Pigtail

2 Select Fiber Count *
 002 = 2 fiber 006 = 6 fiber
 004 = 4 fiber 008 = 8 fiber

5 Select Upjacketing # 1
 A = 900 µm
 B = 2 mm

8 Select Upjacketing # 2
 A = 900 µm
 B = 2 mm
 Z = Pigtail

3 Select Connector # 1
 A = SC/UPC
 C = SC/APC
 E = LC/UPC
 G = LC/APC

6 Select Connector # 2
 A = SC/UPC
 C = SC/APC
 E = LC/UPC
 G = LC/APC
 Z = Pigtail

XXXM or XXXF
 XXXM = Length in meters
 XXXF = Length in feet