

Clearfield Fiber Assemblies

Assemblies: FAN Drop Node



Application

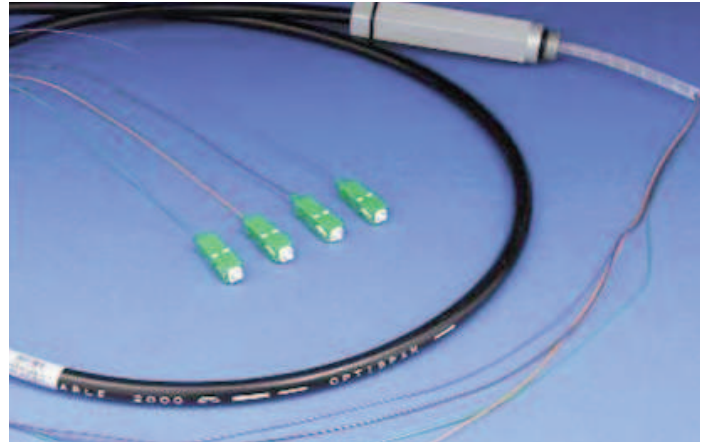
Drop node assemblies are designed to connect the optical distribution node to the optical drop cable in a CATV network.

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 900um fiber termination process to provide exceptional performance and stability over a full range of outdoor temperature and environmental conditions. The end-user gains complete control over drop access and reconfiguration.

Features & Benefits

- Easy installation into the Optical Distribution Node (ODN)
- Feed-through fitting (FTF) guarantees that movement does not occur at the transition, where fiber can move or break due to wide temperature variations
- Fibers are up-jacketed using Teflon tubing which can endure temperatures from -40 to 200 degrees Celsius
- Assemblies using loose-tube, gel-filled OSP cable are sealed to maintain the water tight integrity of the optical node
- Strain relief matches cable load rating
- Provides maximum cable management inside ODN
- 900um or 2.0 mm jacketed fan-out cables
- 900um termination process is GR-326 compliant for exceptional performance in harsh environments from -40° to 85° C
- Labeling of fiber available to ensure easy identification



FAN Drop Cable Assembly

Specifications - Singlemode

Minimum Performance Specifications for Terminated SINGLEMODE Connectors					
Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical (dB)	Max. Ins. Loss (dB)	Min. Ret. Loss (dB)
ST	Ceramic	UPC	0.15	0.30	57.00
SC	Ceramic	UPC	0.15	0.30	57.00
FC	Ceramic	UPC	0.15	0.30	57.00
LC	Ceramic	UPC	0.15	0.30	55.00
SC	Ceramic	APC	0.20	0.30	70.00
FC	Ceramic	APC	0.20	0.30	70.00
LC	Ceramic	APC	0.20	0.30	70.00

Specifications - Multimode

Minimum Performance Specifications for Terminated MULTIMODE Connectors				
Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical (dB)	Max. Ins. Loss (dB)
ST	Ceramic	PC	0.25	≤0.50
SC	Ceramic	PC	0.25	≤0.50
FC	Ceramic	PC	0.25	≤0.50
LC	Ceramic	PC	0.25	≤0.50
ST	Stainless Steel	Flat	0.40	≤0.75

Ordering Guide

N 1 - - - - - XXXM or XXXF

1	2	3	4	5	6	7	8
1 Select cable construction B = OSP, riser rated E = OSP, non-rated M = OSP, armored, gel filled, non-rated	2 Select fiber count * 002 = 2 fiber 004 = 4 fiber 006 = 6 fiber	3 Select Connector #1 A = SC UPC C = SC APC E = LC UPC G = LC APC J = FC UPC K = FC APC	4 Select breakout #1 B = 1 meter C = 0.5 meter	5 Select upjacketing #1 A = 900um B = 2mm	6 Select Connector #2 A = SC UPC C = SC APC E = LC UPC G = LC APC J = FC UPC K = FC APC Z = Pigtail	7 Select breakout #2 B = 1 meter C = 0.5 meter Z = Pigtail	8 Select upjacketing #2 A = 900um B = 2mm Z = Pigtail
XXXM or XXXF XXXF = Length of assembly in feet XXXM = Length of assembly in meters							

OUTSIDE PLANT