



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 (ODM)
- 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



Specifications

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

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

Configured Part Numbers

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

3 Select Connector #1

A = SC UPC
C = SC APC
E = LC UPC
G = LC APC
J = FC UPC
K = FC APC

6 Select Connector #2

A = SC UPC
C = SC APC
E = LC UPC
G = LC APC
J = FC UPC
K = FC APC
Z = Pigtail

8 Select upjacketing #2

A = 900um
B = 2mm
Z = Pigtail

2 Select fiber count *

002 = 2 fiber
004 = 4 fiber
006 = 6 fiber

4 Select breakout #1

B = 1 meter
C = 0.5 meter

7 Select breakout #2

B = 1 meter
C = 0.5 meter
Z = Pigtail

5 Select upjacketing #1

A = 900um
B = 2mm

XXXM or XXXF

XXXF = Length of assembly in feet
XXXM = Length of assembly in meters