

Fiber Cable Assemblies

Distribution Assemblies

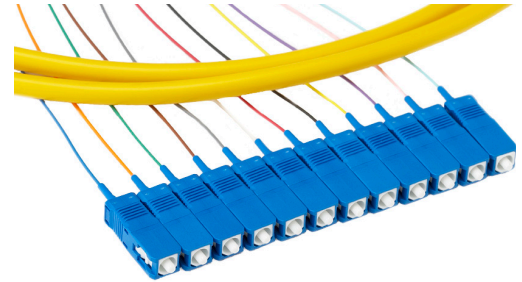


Application

Distribution assemblies are used for applications inside buildings and central offices. These cables utilize a 900 μm tight buffer jacket and are available in plenum and riser versions.

Description

Clearfield® Distribution Assemblies are used where multi-fiber tight buffered constructions are required for density. These assemblies combine the bandwidth capacity of individual cable assemblies in one easy-to-use assembly, and can be used in OSP patch and splice (Clearfield's in-cassette splicing solution) applications.



Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Supports Industry standard singlemode and multimode connectors
- Singlemode and multimode and hybrid cables available

Protection

- Each fiber is individually jacketed then covered with an outer jacket for added protection
- All fibers are color coded using industry fiber color code
- Pulling-eye kits available to speed installation

Access

- Compact jacket design keeps cable pile up minimal
- Industry standard terminations include SC and LC (Ask a Clearfield representative for other connector availability)

Investment

- Distribution Assemblies offer an economical solution for deploying fiber in any optical network
- Environmentally stable, low-insertion loss, minimal back reflection
- All assemblies are 100% tested

Technical Specifications

Distribution Assemblies	
Core Size and Type	Singlemode and multimode
Fiber Count	2-fiber to 144-fiber
Jacket O.D.	900 μm
Cable Types	Indoor Riser, Indoor Plenum
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, MPO
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Breakout Length	Half meter, one meter, pulling eye, custom

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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

Minimum Performance Specifications for Terminated Multimode Connectors

Connector Type	Ferrule Material	Polish Type	Ins. Loss, Typical	Max. Ins. Loss
SC	Ceramic	PC	0.25 dB	≤ 0.50 dB
LC	Ceramic	PC	0.25 dB	≤ 0.50 dB

Configured Part Numbers

D - - - - - A - - - - - A XXXM or XXXF

1 2 3 4 5 6 7

1 Select Cable Construction
A = Indoor, riser rated
C = Indoor, plenum rated

2 Select Mode/Type
1 = Singlemode, tight buffer
2 = Singlemode, ribbon
3 = Multimode (62.5), tight buffer
5 = Multimode (50), tight buffer
7 = Multimode (50) laser opt – tight buffer OM3

3 Select Fiber Count *
XXX = Fiber count

4 Select Connector #1
A = SC/UPC Z = None
C = SC/APC 5 = MPO male
E = LC/UPC 6 = MPO female
G = LC/APC

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

6 Select Connector #2
A = SC/UPC Z = None
C = SC/APC 5 = MPO male
E = LC/UPC 6 = MPO female
G = LC/APC

7 Select Breakout # 2
B = 1 meter
C = 0.5 meter
P = Pulling eye **
Z = Pigtail

XXXM or XXXF
XXXM = Length in Meters
XXXF = Length in Feet

* Some fiber counts including fiber quantities not divisible by 12 may be built with the next highest fiber count cable. (i.e. – a 60-fiber assembly may be built using a 72-count fiber where the 1st 60 fibers will be terminated and the final 12 fibers will cut off at the breakout point).

** Pulling eyes can be installed on fiber assemblies up to a 24-fiber count.