Fiber Cable Assemblies
FTTH Drop Cable Assemblies

CLEARFIELD

Application

Our FTTH Drop Cable Assemblies are designed to connect the fiber access point (hand hole, pedestal or aerial) to the ONT on the home in a FTTH network.

Description

Clearfield's proven ruggedized drop cable solutions include HFOC, ruggedized flat drop and ruggedized pigtail for splicing.

Features and Benefits

Integrity
- Terminations are designed and tested to Telcordia GR-326
- Supports industry standard singlemode connectors
- Singlemode and multimode cable available

Protection
- Uses ruggedized OSP rated flat drop cable
- Single loose-tube is gel-filled for ultimate water blocking protection
- FLATdrop peel-and-play cable allows for the outer jacket to be stripped back to expose the more flexible 3mm sub-unit, easing storage of terminated ends
- Rugged black UV resistant jacket with two fiberglass strength members gives it the strength needed for all harsh environments
- All-dielectric option allows deployment near power lines and utilities

Access
- Flat drop cable construction allows for installation in buried or aerial applications
- Industry standard terminations include SC and LC (ask a Clearfield® representative for other available connectors)
- Toneable cables allow for traceability throughout the network

Investment
- Ruggedized flat drop assemblies offer an economical solution for deploying fiber in any OSP optical network
- Environmentally stable, low-insertion loss, minimal back reflection
- All assemblies are 100% tested

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Technical Specifications

FTTH Drop Cable Assemblies	
Core Size and Type	Singlemode
Fiber Count	Single Fiber
Jacket O.D.	2.0 mm Ruggedized, 3.0 mm Peel-and-Play
Cable Types	Flat Drop Loose Tube Cable, Flat Drop Peel-and-Play 3 mm (Dielectric/Toneable)
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, HFOC/APC
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Breakout Length	Half meter, One Meter, 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

H ____ 1 - 0 0 1 - ____ ____ ____ - ____ ____ ____ XXXM or XXXF
   [1]   [2] [3] [4] [5] [6] [7]

[1] Select Cable

E = OSP, non-toneable, non-rated
M = OSP, toneable, non-rated
T = Peelable FLATdrop Non-Toneable (Non-rated)
U = Peelable FLATdrop Toneable (Non-rated)

[2] Select Connector # 1

A = SC/UPC   G = LC/APC
C = SC/APC   W = HFOC SC/APC
E = LC/UPC

[3] Select Breakout # 1

B = 1 Meter
C = 0.5 Meter
Z = Use if a HFOC

[4] Select Upjacketing # 1

B = 2 mm Ruggedized
K = 3mm Peel-and-Play
Z = Use if a HFOC

[5] Select Connector # 2

A = SC /UPC   G = LC/APC
C = SC/APC   W = HFOC SC/APC
E = LC/UPC   Z = Pigtail

[6] Select Breakout # 2

B = 1 Meter
C = 0.5 Meter
Z = Use if a HFOC or pigtail

[7] Select Upjacketing # 2

B = 2 mm Ruggedized
K = 3 mm Peel-and-Play
Z = Use if a HFOC or Pigtail

XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet