

FieldShield®

FLATdrop - Peelable 900um with HFOC (IP-Solid)



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, FieldShield Small Form Factor (SFF) FLATdrop and pigtail for splicing.

Features and Benefits

Integrity

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

Protection

- Uses ruggedized OSP rated small form factor flat drop cable
- FieldShield FLATdrop peelable cable allows for the outer jacket to be stripped back to expose the more flexible 900µm 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
- 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



Technical Specifications

FLATdrop - Peelable HFOC Cable Assemblies	
Core Size and Type	Singlemode
Fiber Count	Single Fiber
Jacket O.D. (mm)	5.4 x 3.0 x 0.3, G.652.D/G.657.A1, Peelable
Cable Types	Flat Drop Loose Tube Cable, Flat Drop 900µm (Dielectric/Toneable)
Connector Types	SC/UPC, SC/APC, HFOC/APC
Operating Temperature	-40°C to 85°C (-40°F to 185°F)

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
SC	Ceramic	APC	0.20 dB	0.30 dB	65.00 dB

Technical Specifications - Pole to Pole Span

Environmental Loading Condition for Drop Application			
	Heavy	Medium	Light
1% Installation Sag Maximum Span Distance ft. (m)	150 (46)	250 (76)	325 (99)

* Max pulling force on connector "W2" is 70 lbs. To obtain 100 lbs., pull on opposite end with pull sock.

Configured Part Numbers

F S H - 1 - 0 0 1 - - - - XXXXF

1 2 3 4 5 6 7

1 Select Jacket Construction
 3 = Peelable SFF 900µm Non-Toneable (Non-rated)
 4 = Peelable SFF 900µm Toneable (Non-rated)

2 Select Connector #1
 B = SC/UPC Pushable
 D = SC/APC Pushable
 W = HFOC SC/APC
 W2 = HFOC SC/APC for 900um

3 Select Breakout
 Z = N/A for HFOC or Pigtail
 3 = Minimum Required

4 Select Upjacketing
 A = 900 µm
 Z = N/A

5 Select Connector #2
 B = SC/UPC Pushable
 D = SC/APC Pushable
 W2 = HFOC SC/APC for 900um
 Z = Pigtail

6 Select Breakout
 Z = N/A for HFOC or Pigtail
 3 = Minimum Required

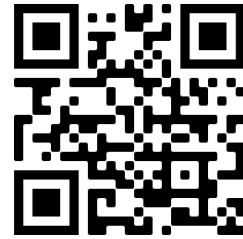
7 Select Upjacketing
 A = 900 µm
 Z = N/A

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

Accessories

Part Number	Description
FS-PUL-5-9MM	Pull Sock, 5-9mm, cable, small format cable, reusable

- When using FS-PUL-5-9MM on pushable connector end on small format FLATdrop:
 - Pulling Eye Loop = 50 lb. max.
 - Pull Sock = 100 lb. pull force
 - See QR code for installation method video



Scan for FieldShield Small Form Factor Video.



Pulling Bullet FLATdrop 900um Peelable



Scan for Pulling Bullet Video.