Fiber Cable Assemblies
FTTH Drop Cable Assemblies

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 ST, SC, FC, 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
Fiber Cable Assemblies
FTTH Drop Cable Assemblies

Technical Specifications

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

Minimum Performance Specifications for Terminated Singlemode Connectors

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Ferrule Material</th>
<th>Polish Type</th>
<th>Ins. Loss, Typical</th>
<th>Max. Ins. Loss</th>
<th>Min. Ret. Loss</th>
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</thead>
<tbody>
<tr>
<td>ST</td>
<td>Ceramic</td>
<td>UPC</td>
<td>0.15 dB</td>
<td>0.30 dB</td>
<td>55.00 dB</td>
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<tr>
<td>SC</td>
<td>Ceramic</td>
<td>UPC</td>
<td>0.15 dB</td>
<td>0.30 dB</td>
<td>55.00 dB</td>
</tr>
<tr>
<td>FC</td>
<td>Ceramic</td>
<td>UPC</td>
<td>0.15 dB</td>
<td>0.30 dB</td>
<td>55.00 dB</td>
</tr>
<tr>
<td>LC</td>
<td>Ceramic</td>
<td>UPC</td>
<td>0.15 dB</td>
<td>0.30 dB</td>
<td>55.00 dB</td>
</tr>
</tbody>
</table>

Configured Part Numbers

<table>
<thead>
<tr>
<th>H 1 0 0 1</th>
<th>XXXM or XXXF</th>
</tr>
</thead>
</table>

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
- C = 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
- C = SC/APC
- E = LC/UPC

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 = 3mm Peel-and-Play
- Z = Use if a HFOC or pigtail

XXXM = Length in meters
XXXF = Length in feet