

Evolv[®] 1- and 2-Fiber Small Cell Cable Assemblies

Outdoor, Indoor/Outdoor, ROC™ or SST cable offerings, dielectric



1 F ROC™ Drop, Pushlok™ to LC



1 F SST-Drop™, Pushlok to Uniboot



2 F SST-Drop, Outdoor, Pushlok to LC Duplex



2 F SST-Drop, Outdoor, Pushlok to Uniboot

Corning's 1 F small cell assemblies are available with Pushlok™ to LC simplex on the ROC™ Drop cable and LC Uniboot on the SST-Drop™. The 2 F small cell assemblies are available as Pushlok to LC Duplex or LC Uniboot.

| Features | Benefits |
|---------------------------------------|---|
| Pushlok Technology | Reduced-diameter connector, leading technology for FTTx installations |
| Reduced optimized cable cross-section | Smaller profile and bend radius, flexibility allows for increased slack storage capacity in existing optical network terminals (ONTs), pedestals, and handholes |
| Robust design | Designed for rapid connection to external flush-mounted bulkhead adapters on terminals or closures |
| Flexible Connector Offerings | 1 F small cell variants with a Pushlok connector to LC or Uniboot. 2 F small cell variants with Pushlok to LC Duplex or LC Uniboot. |
| Versatile installation environments | Dielectric variants available |

Connector Specifications

| | |
|-------------------------|--|
| Connector Types | Pushlok, LC Simplex, LC Duplex, LC Uniboot |
| Insertion loss, typical | 0.15 dB |
| Reflectance | ≤ -65 dB |

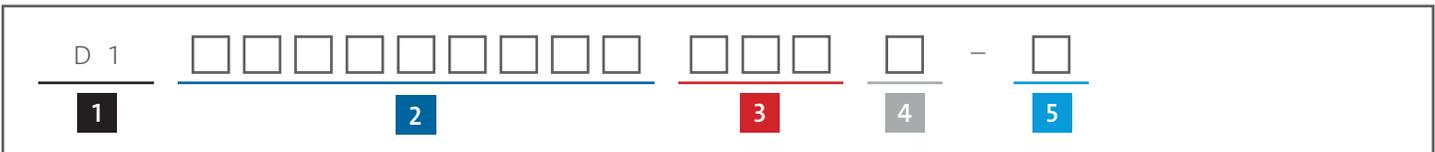
Small Cell Drop Cable Assembly Specifications

| | |
|-------------------------|--|
| Assembly types | ROC™ and SST-Drop™ Small Cell Assemblies |
| Assembly Insertion Loss | 0.4 dB |
| Connector Assembly Type | Pushlok LC Simplex |

Standards

| | |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
|------|---|

1-Fiber and 2-Fiber Small Cell Cable Ordering Information



1 Defines end one connector.
D1 = Single-Fiber Pushlok™ Connector

2 Select input.
0201JB49R = 1 F LC Connector, simplex, on ROC™ Drop cable
7801JB4FD = 1 F LC Uniboot connector, simplex, on SST-Drop cable
0402JB4FD = 2 F LC Connector, duplex, on SST-Drop cable
7802JB4FD = 2 F LC Uniboot connector, SST-Drop cable

3 Select cable assembly length (three-digit length) for lengths under 999 ft. *See Table A for lengths ≥ 1,000 ft.*

Lengths
Minimum: 2 m / 6 ft
Maximum: 600 m / 2,000 ft

4 Select cable assembly unit of length.
F = Feet
M = Meters

5 Defines packaging.*
**Orders arrive in bulk packaging unless specified. To order individual packaging, please add '-P' to end of part number.*

Bulk packaging
Multiple units coiled in a box up to 1,500 ft/455 m.
Greater than 1,501 ft/460 m ships on a reel.

Individual packaging
Individual units coiled in a box up to 500 ft/150 m.
Greater than 500 ft/155 m ships on a reel.

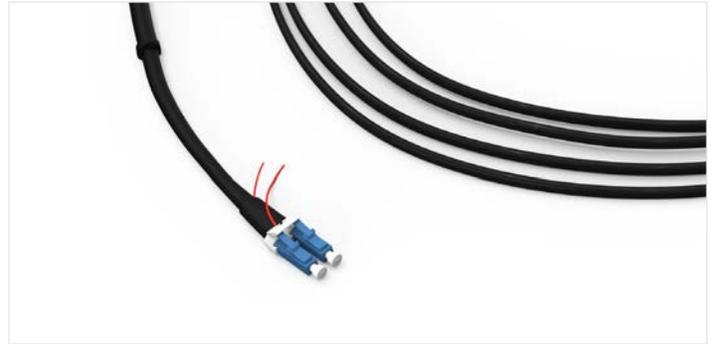
| | | | |
|-------------|-------------|-------------|-------------|
| A00 = 1,000 | C00 = 1,200 | F00 = 1,500 | J00 = 1,800 |
| B00 = 1,100 | D00 = 1,300 | G00 = 1,600 | K00 = 1,900 |
| | E00 = 1,400 | H00 = 1,700 | L00 = 2,000 |

Evolv® Universal Small Cell Cable Assembly

Outdoor, dielectric, round cable design



Evolv® Universal Small Cell Assembly



Assembly offers single- or dual-fiber connectors

A new offering in Corning’s suite of products, the Evolv® Universal Small Cell Cable Assembly provides the simplicity needed for your FTTx network deployment. It works on different 5G small cell radios and delivers the necessary radio connector on a round jumper equipped with our easy plug-in Pushlok™ Technology.

The cable offers a single-fiber or dual-fiber assembly based on small-form-factor pluggable (SFP) and fiber-count allocation standards. Compatible with Corning’s Evolv terminals, the assembly’s terminal end allows for single or dual Pushlok connectors for continuity to your fiber platform.

The assembly’s radio connector end has dual functionalities for all radios with external and internal connector mounting options. Its first feature enables all field-installable connectors for radios with an externally mounted connector port that accepts a diameter of 4.6 mm within the compression equipment. The second feature allows for internal mounting within the radio housing, providing a single- or dual-fiber 5.5 in/140 mm flexible leg(s) for routing to the SFP.

With its unique ability to serve internally and externally mounted ports with field-installable connectors, this assembly allows for a single drop to service various types of radios from multiple manufacturers.

| Features | Benefits |
|------------------|--|
| Universal Design | Specifically designed to work on different 5G radios from multiple manufacturers; weatherproof connector. |
| Round Cabling | Smoother installation with bend-insensitive fiber for tight applications |
| SKU Reduction | SKUs for small cell deployments can be reduced by more than 50% when compared to existing market jumpers for different radio vendors. |
| Cost Reduction | Cost per install will remain constant or decrease, as this one drop can feed multiple radio types and weatherproof connectors, resolving secondary trips for ‘proper drop’ |
| Cable Design | Avoids kinking |

Standards

| | |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
|------|---|

General Specifications

| | |
|-------------------------|-------------------------------|
| Fiber Type | LBL Fiber |
| Environment | Outdoor |
| Application | FTTx |
| Cable Type | 4.6 mm Multifiber Round Cable |
| Connector Assembly Type | Pushlok™-Pigtail |

Multifiber Round Cable Specifications

| | |
|--------------------------------|---------|
| Environment | Outdoor |
| Fiber Count | 4 |
| Buffer Tube Diameter | 1.7 mm |
| Minimum Bend Radius, Operation | 46 mm |

Pushlok™ Connector Specifications

| | |
|---------------------------|-------------------------|
| Insertion Loss, typical | 0.15 dB |
| Reflectance | ≤ -65 dB |
| Outer diameter dimensions | 12.0 mm (with dust cap) |

LC Connector Specifications

| | |
|-------------------------|----------|
| Insertion loss, typical | 0.15 dB |
| Reflectance | ≤ -65 dB |
| Boot color | Blue |

Universal Small Cell Cable Assembly Ordering Information



1 Defines connector 1.
D1 = Pushlok™ Connector

2 Select connector 2.
02 = LC Simplex
04 = LC Duplex

3 Select input
01JBDT3 = 1 F, LBL, Universal Drop, round cable, dielectric
01JBPT3 = 1 F, LBL, Universal Drop, round cable, dielectric,
with Pulling Grip
02JB4D9 = 2 F, LBL, Universal Drop, round cable, dielectric
02JB4D = 2 F, LBL, Universal Drop, round cable, dielectric,
with Pulling Grip

4 Select cable assembly length (three-digit length) for lengths under 999 ft. *See Table A for lengths ≥ 1,000 ft.*
Lengths
Minimum: 2 m / 6 ft
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5 Select cable assembly unit of length.
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