CORNING

Evolv™ Drops with Pushlok™ Technology

1 F ROC Drop, Pushlok to Pushlok

1 F ROC Drop, Pushlok to SC APC

1 F ROC Drop, Pushlok to Pigtail

Pushlok™ hardened connector technology is the key component enabling smaller terminals and drops for FTTx networks than ever before. Designed for use in nearly every access network environment, the terminal is small enough to be placed in existing handholes or pedestals where space is paramount, on building façades, or in aerial networks (pole- or strand-mount). Improved aesthetics improve end-user adoption for façade applications.
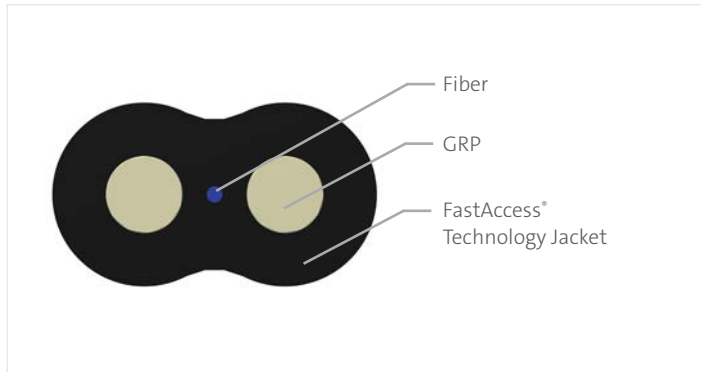
To supplement the new Evolv Terminal portfolio, the Evolv Drop assemblies will also feature Pushlok technology. The Evolv Drop portfolio includes 1 F ROC™ drop and SST-Drop™ cables, 2 F SST-Drop cables, and 4 F SST-Drop cables. SC APC converters, OptiTap® converters, test jumpers, and maintenance extenders are available to support the drop portfolio.

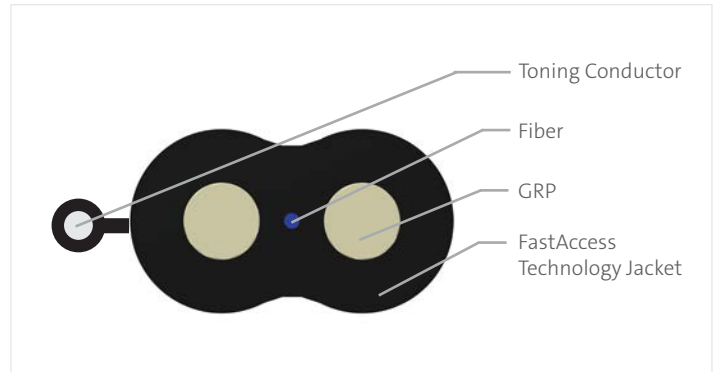| Features	Benefits
Hardened connector technology	Reduced-diameter Pushlok connector.
Flexible connector offerings	Dual-ended or pigtailed versions to accommodate any ONT interface. Hybrid assemblies with hardened connector (terminal) to SC APC (ONT). 1 F & 2 F small cell variants with Pushlok connectors to LC or Uniboot connectors.
Versatile installation environments	Cable variants for aerial (dielectric), direct-buried (toneable), duct, and MDU applications.
Dual compatibility	OptiTap and SC APC converters enable users to convert Pushlok connectors into OptiTap and SC APC form factors.

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ROC™ Drop Cable Assembly
Outdoor, flat cable design, dielectric or toneable

Dielectric

Toneable

As an industry leader in optical connectivity products, Corning designs and manufactures the ROC™ drop cable assembly with factory-terminated, environmentally sealed and hardened connectors to reduce the cost and time of drop cable deployment. Corning hardened connectors provide superior durability and reliability in the drop segment of the network. This assembly also offers significant improvements in cable management.

By featuring the ROC drop cable design, issues of slack storage capacity are virtually eliminated. The ROC drop cable minimum bend radius is half the size of legacy drop cable. The outer dimensions of the cable have been reduced by more than 50%. ROC drop cables are more flexible, allowing for easier routing at the ONT. Installers will see a reduction in truck storage space requirements with this new design.

Features	Benefits
Hardened connector technology	OptiTap® connector, industry standard for existing FTTx networks, or reduced-diameter Pushlok™ connector.
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	Dual-ended or pigtailed versions to accommodate any ONT interface. Hybrid assemblies with hardened connector (terminal) to SC APC (ONT) are available with both OptiTap and Pushlok variants. Small cell variants with Pushlok connectors to LC or Uniboot connectors.
Versatile installation environments	Aerial: dielectric, self-supporting at 40 lbs installation tension at 150 ft (NESC Heavy), 255 ft (NESC Medium) or 330 ft (NESC Light). Direct-buried: toneable for easy locating. Duct: integral pulling eye/connector cap designed for 100 lb maximum pulling tension; OptiTap connector is suitable for 1.25-in conduit; Pushlok connector is suitable for 13-mm inner diameter duct.

Standards	
Design and Test Criteria	GR-3120

Pushlok™ Connector Specifications	
Insertion Loss, typical	0.15 dB
Reflectance, typical	-0.65 dB
Outer diameter dimensions	12.0 mm (with dust cap)

Cable Specifications	
Axial Pull, plug-to-adapter coupling strength	50.0 lb
Axial Pull, plug-to-cable, through the dust cap	100.0 lb
Cold mate/demate	-40°C mechanical testing

Ordering Information

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□□   □□  0 1 E B   □□□   □□□   □  –  □
 1     2             3      4     5      6
```

1 Select end one connector.

00 = No Connector
D1 = Pushlok Connector

2 Select input.

D1 = Pushlok Connector
44 = SC APC Connector, simplex

3 Select cable type.

49R = ROC™ 900 µm dielectric cable with FastAccess®
        technology
19R = ROC 900 µm toneable cable with FastAccess
        technology
PFR = ROC dielectric cable, heat-shrink furcation,
        2.9 mm leg on simplex connector end with
        pulling grip
PTR = ROC toneable cable, heat-shrink furcation,
        2.9 mm leg on simplex connector end with
        pulling grip
4R3 = ROC dielectric cable, heat-shrink furcation leg
        on simplex connector end
1R3 = ROC toneable cable, heat-shrink furcation leg on
        simplex connector end

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

Meters lengths
2, 3, 5 then 5-m increments up to 600 m

Foot lengths
6, 10, then 10- or 25-ft increments up to 2,000 ft

Note: Contact customer care for extended length offerings.

5 Select cable assembly unit of length.

F = Feet
M = Meters

6 Defines packaging.

Orders arrive in bulk packaging unless specified. To order individual packaging, please add '-P' to end of part number.
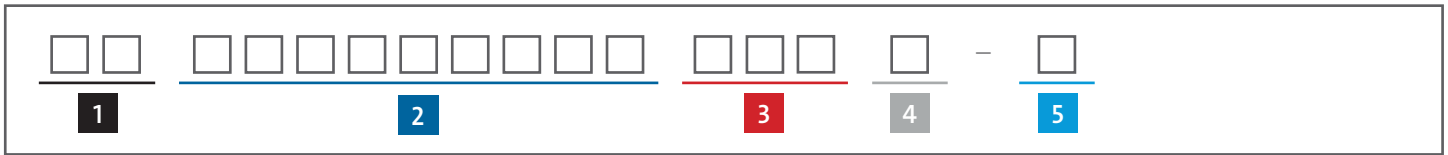
Bulk packaging
Multiple units coiled in a box up to 1,500 ft/455 m.
Greater than 1,501 ft/460 m ships on a reel.

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

Table A: Alpha codes for lengths ≥ 1,000 ft			
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

1 F Small Cell Drop Ordering Information

```
☐☐   ☐☐☐☐☐☐☐☐☐   ☐☐☐   ☐ – ☐
 1              2          3     4    5
```

1 Select end one connector.

D1 = Pushlok™ Connector

2 Select input.

0201JB49R = LC Connector, simplex, on ROC™ Drop
7801JB4FD = LC Uniboot Connector, simplex, on SST-Drop™

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

Meters lengths
2, 3, 5 then 5-m increments up to 600 m

Foot lengths
6, 10, then 10- or 25-ft increments up to 2,000 ft

Note: Contact customer care for extended length offerings.

4 Select cable assembly unit of length.

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	E00 = 1,400	H00 = 1,700	L00 = 2,000

1 F ROC Drop, Pushlok to LC

1 F SST-Drop, Pushlok to Uniboot
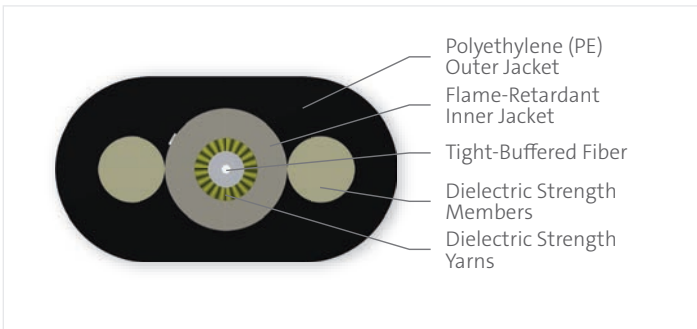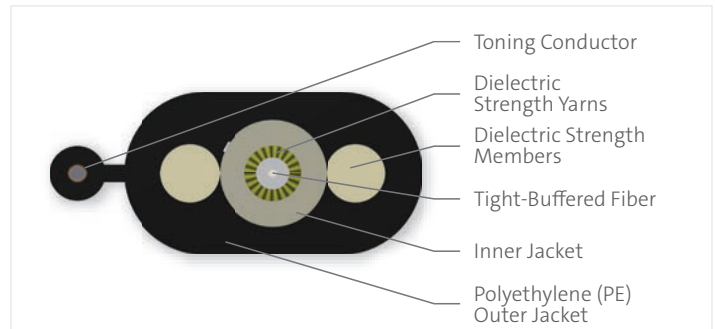
CORNING

SST-Drop™ Cable Assembly

Standard Outdoor or Indoor/Outdoor, flat cable design, dielectric or toneable
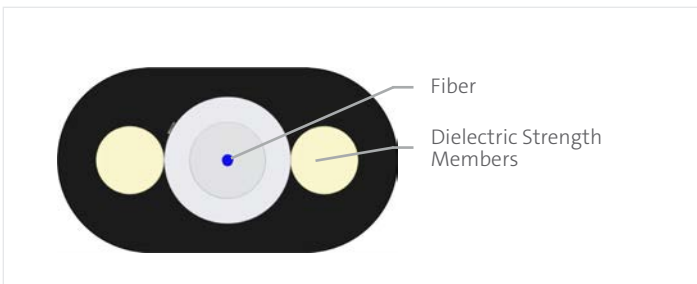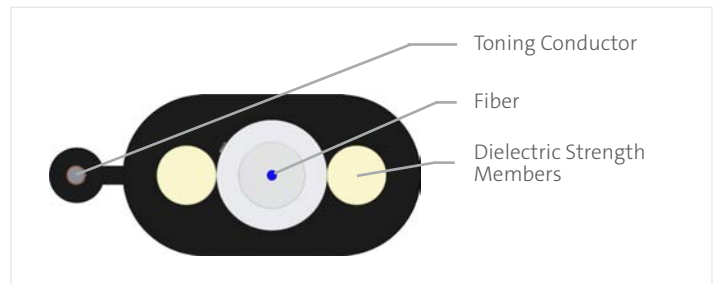
SST-Drop Indoor/Outdoor Cable

Dielectric

Polyethylene (PE) Outer Jacket
Flame-Retardant Inner Jacket
Tight-Buffered Fiber
Dielectric Strength Members
Dielectric Strength Yarns

Toneable

Toning Conductor
Dielectric Strength Yarns
Dielectric Strength Members
Tight-Buffered Fiber
Inner Jacket
Polyethylene (PE) Outer Jacket

SST-Drop Outdoor Cable

Dielectric

Fiber
Dielectric Strength Members

Toneable

Toning Conductor
Fiber
Dielectric Strength Members

As an industry leader in optical connectivity products, Corning designs and manufactures the SST-Drop™ cable assembly with factory-terminated, environmentally sealed and hardened connectors to reduce the cost and the time of drop cable deployment in optical access networks. The Pushlok™ drop cable assembly is specifically designed to significantly reduce required drop cable installation.

Features	Benefits
Hardened connector technology	Reduced-diameter Pushlok connector.
Indoor/outdoor drop has flame-retardant inner jacket	Indoor/Outdoor SST-Drop can be leveraged for indoor & outdoor applications
Flexible connector offerings	2 & 4 multifiber drops including pigtail and in-line variants. 2 F small cell variants with Pushlok hardened connectors to LC or Uniboot connectors.
Versatile installation environments	Aerial: dielectric, self-supporting at 40 lbs installation tension at 150 ft (NESC Heavy), 255 ft (NESC Medium) or 330 ft (NESC Light). Direct-buried: toneable for easy locating.

Standards	
Design and Test Criteria	GR-3120

Pushlok™ Connector Specifications	
Insertion Loss, typical	0.15 dB
Reflectance, typical	-0.65 dB
Outer diameter dimensions	12.0 mm (with dust cap)

2 F SST-Drop™ Indoor/Outdoor Ordering Information

```
0 0     D 1     0 2     ▢▢▢▢  ▢▢▢  ▢  –  ▢
 [1]      [2]     [3]      [4]     [5]   [6]     [7]
```

1 Select end one connector.

00 = No Connector

2 Select input.

D1 = Pushlok Connector

3 Select fiber count.

02 = 2 fibers

4 Select cable type.

JB1TD = SST-Drop cable, toneable, Pushlok pigtail
JB4FD = SST-Drop cable, dielectric, Pushlok pigtail

5 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

Meters lengths
2, 3, 5 then 5-m increments up to 600 m

Foot lengths
6, 10, then 10- or 25-ft increments up to 2,000 ft

Note: Contact customer care for extended length offerings.

6 Select cable assembly unit of length.

F = Feet
M = Meters

7 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
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Greater than 500 ft/155 m ships on a reel.

Table A: Alpha codes for lengths ≥ 1,000 ft			
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	E00 = 1,400	H00 = 1,700	L00 = 2,000

2 F SST-Drop, Indoor/Outdoor, Pushlok Pigtail

2 F Small Cell SST-Drop™ Ordering Information

D 1	☐☐	0 2	J B 4 F D	☐☐☐	☐	–	☐
1	**2**	**3**	**4**	**5**	**6**		**7**

1 Select end one connector.

D1 = Pushlok™ Connector

2 Select input.

04 = LC Duplex (for small cell applications)
78 = LC Uniboot (for small cell applications)

3 Select fiber count.

02 = 2 fibers

4 Select cable type.

JB4FD = SST-Drop cable, dielectric, Pushlok to LC or
         Uniboot connectors

5 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

Meters lengths
2, 3, 5 then 5-m increments up to 600 m

Foot lengths
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	E00 = 1,400	H00 = 1,700	L00 = 2,000

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

2 F SST-Drop, Outdoor, Pushlok to Uniboot

2 F In-Line SST-Drop™ Ordering Information

D 1	4 8	0 2	☐☐☐☐	☐☐☐	☐	–	☐
1	**2**	**3**	**4**	**5**	**6**		**7**

1 Select end one connector.

D1 = Pushlok™ Connector

2 Select input.

48 = In-Line

3 Select fiber count.

02 = 2 fibers

4 Select cable type.

EB1TD = SST-Drop cable, toneable, Pushlok to In-Line
EB4FD = SST-Drop cable, dielectric, Pushlok to In-Line

5 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

Meters lengths
2, 3, 5 then 5-m increments up to 600 m

Foot lengths
6, 10, then 10- or 25-ft increments up to 2,000 ft

Note: Contact customer care for extended length offerings.

6 Select cable assembly unit of length.

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2 F SST-Drop, Outdoor, Pushlok to In-Line

4 F SST-Drop™ Ordering Information

0 0	D 1	0 4	☐☐☐☐	☐☐☐	☐	– ☐
1	**2**	**3**	**4**	**5**	**6**	**7**

1 Select end one connector.

00 = No Connector

2 Select input.

D1 = Pushlok™ Connector

3 Select fiber count.

04 = 4 fibers

4 Select cable type.

JB1TD = SST-Drop cable, toneable, Pushlok pigtail
JB4FD = SST-Drop cable, dielectric, Pushlok pigtail

5 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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4 F SST-Drop, Outdoor, Pushlok to Pigtail

Evolv™ Drop Accessories

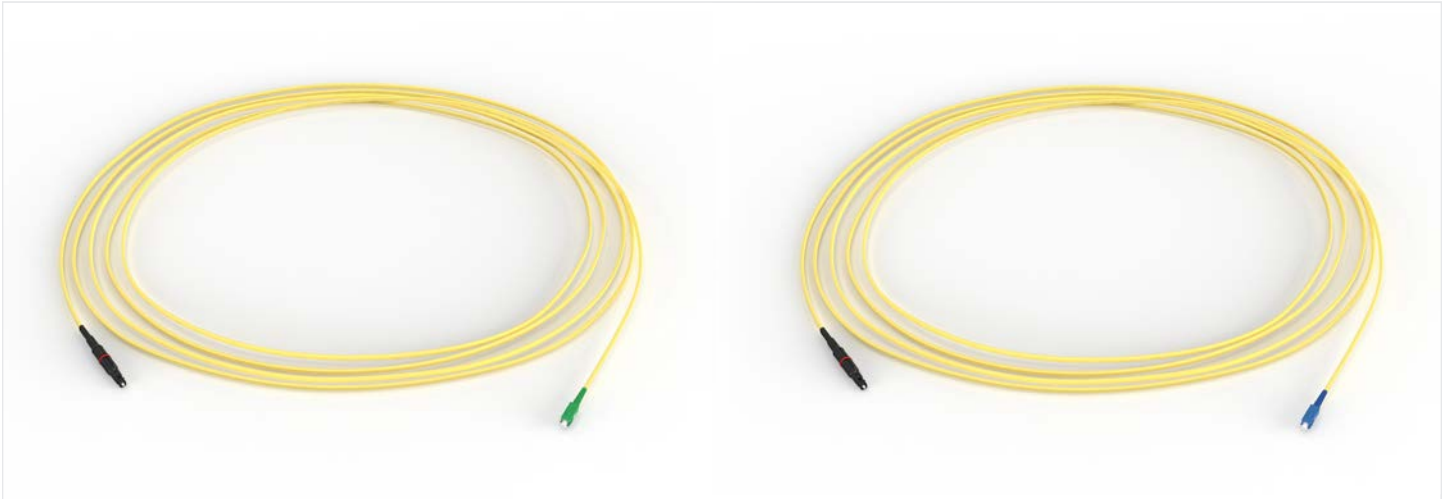| Pushlok™ Drop Cable Assembly Accessory Information	
Evolv™ SC Converter with Pushlok™ Technology	
Part Number	KT-PL-SHROUD-SC
Description	SC APC shroud for converting Pushlok drop connectors to an SC form factor
Minimum Order Quantity (MOQ)	10

Pushlok Drop Cable Assembly Accessory Information	
Evolv OptiTap® Converter with Pushlok Technology	
Part Number	KT-PL-OPT-CONV
Description	OptiTap housing for converting Pushlok drop connectors to an OptiTap form factor
Minimum Order Quantity (MOQ)	10

Evolv™ Test Jumpers with Pushlok™ Technology

Accessory Information	
SC APC Test Jumper	
Part Number	D14401E31AJ003M
Description	Evolv Test Jumper with Pushlok Technology, 1 F Pushlok to SC APC simplex, 3 m
SC APC Test Jumper	
Part Number	D15801E31AJ003M
Description	Evolv Test Jumper with Pushlok Technology, 1 F Pushlok to SC UPC simplex, 3 m

Evolv Maintenance Extender In-Line with Pushlok Technology

Accessory Information	
Evolv Maintenance Extender Inline	
Part Number	D14801EB49R007F-P
Description	Evolv Maintenance Extender Inline with Pushlok Technology, 1F Pushlok to 1F Inline, Dielectric , 7 ft, individual packaging. For customers who are replacing existing MultiPort terminals in the field with Evolv Terminals with Pushlok Technology, maintenance extenders can be used to convert existing OptiTap® drops to Pushlok drops. The Inline will connect to the installed OptiTap drop, and the Pushlok connector will plug into the new Evolv terminal port.

Evolv™ Port Cleaner with Pushlok™ Technology

Accessory Information	
Evolv Port Cleaner with Pushlok Technology	
Part Number	CLEANER-PUSHLOK
Description	The Evolv port cleaner with Pushlok technology is compatible with both Pushlok and OptiTap® connectors and Evolv terminals and multiports. Single-fiber port cleaner accessories are proven effective for removing the following from connector end faces: skin oil, hand lotion, Arizona road dust, pre- and postmate graphite, salt, isopropyl alcohol residue, and distilled water residue. These cleaners are easy to use and offer over 525 cleanings.
Standards	Free of hazardous substances according to RoHs 2011/65/EU