

ROC™ Drop Cable Assembly

Hardened connector, FastAccess® technology, 900 μm



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 percent. 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 optimised cable cross section	Smaller profile and bend radius. Flexibility allows for increase 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.
Versatile installation environments	Aerial: dielectric, self-supporting at 18 kg installation tension at 50 m (NESC Heavy), 77 m (NESC Medium) or 100 m (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 32 mm conduit; Pushlok connector is suitable for 13 mm inner diameter duct.

Standards

Design and Test Criteria	GR-3120
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OptiTap® Assembly Specifications

Connector

Insertion Loss, Typical	0.15 dB
Reflectance, Typical	-0.65 dB
Outer Diameter Dimensions	20.0 mm (with dust cap)

Cable

Axial Pull, Plug to Adapter Coupling Strength	23.0 kg
Axial Pull, Plug to Cable, Through the Dust Cap	45.0 kg
Cold Mate/Demate	-40°C mechanical testing

Pushlok™ Assembly Specifications

Connector

Insertion Loss, Typical	0.15 dB
Reflectance, Typical	-0.65 dB
Outer Diameter Dimensions	12.0 mm (with dust cap)

Cable

Axial Pull, Plug to Adapter Coupling Strength	23.0 kg
Axial Pull, Plug to Cable, Through the Dust Cap	45.0 kg
Cold Mate/Demate	-40°C mechanical testing

Ordering Information



1 Select end one connector.

- 00 = No Connector
- 43 = OptiTap® Connector

2 Select input.

- 43 = OptiTap 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 300 m.

Lengths
Minimum: 2 m

Meters lengths:
2, 3, 5 then 5M increments up to 600 M

Note: Contact customer care for extended length offerings.

5 Select cable assembly unit of length.

M = Meters

6 Defines packaging.*

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

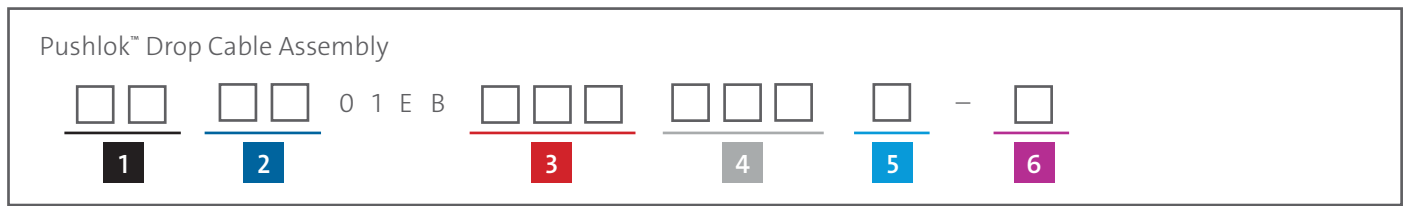
Bulk packaging
Multiple units coiled in a box up to 1500 ft/455 m. Greater than 1501 ft/460 m ships on a reel.

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 ≥ 1000

A00 = 1000	E00 = 1400	J00 = 1800
B00 = 1100	F00 = 1500	K00 = 1900
C00 = 1200	G00 = 1600	L00 = 2000
D00 = 1300	H00 = 1700	

Ordering Information



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
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- PFR = ROC Dielectric cable, heat-shrink furcation, 2.9 mm leg on simplex connector end with pulling grip
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Pushlok™ Drop Cable Assembly Accessory Information

Evolv™ HC SC Converter BOP with Pushlok™ Technology

Part Number	KT-PL-SHROUD-SC
Description	SC APC Shroud for converting Pushlok drop connectors to a SC form factor
Minimum Order Quantity (MOQ)	10



Pushlok Drop Cable Assembly Accessory Information

Evolv HC OptiTap® Converter BOP 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

Notes

CORNING

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