

Evolv® ROC™ Drop Dielectric Assembly Pushlok® Pigtail, 1000 ft, individual packaging

CORNING

Part Number:
00D101EB49RA00F-P

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.

Pushlok™ connector technology is the next evolution of OptiTap® connector. The new connector design is the key component enabling smaller terminals for FTTX networks than ever before.

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 and Benefits

Hardened connector technology

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

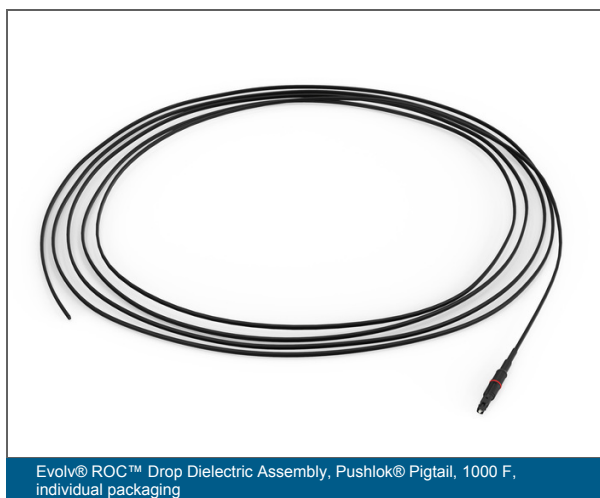
Dual-ended or pigtailed versions to accommodate any ONT interface

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; Pushlok connector is suitable for 13 mm inner diameter duct



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Specifications

General Specifications

Fiber Category	Single-mode (OS2)
Cable Assembly Type	Drop Assemblies
Environment	Outdoor
Cable Type	ROC™ dielectric drop
Assembly Insertion Loss	≤ 0.15 dB
Solution	Evolv
Pulling grip	None
Packaging	Individual Pack
Installation Methods	Aerial

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Environmental Conditions

Temperature Range, Operation	-40 °C to 70 °C (-40 °F to 158 °F)
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Design

Fiber Count	1
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Mechanical Specifications

Cold Mate/Demate	-40 °C (-40 °F)
Axial Pull, Plug to Cable, Through the Dust Cap	444.82 N (100 lb) in axial pull with load applied to the dust cap

Optical Characteristics

Fiber Code	E
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Optical Characteristics

Performance Option Code	01
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Single-mode (OS2)
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D

Specifications - Connector A

Reflectance, Typical	> 65 dB (optical return loss)
Insertion Loss, Typical	≤ 0.15 dB
Connector Type	No connector

Specifications - Connector B

Reflectance, Typical	> 65 dB (optical return loss)
Insertion Loss, Typical	≤ 0.15 dB
Connector Type	Pushlok

Dimensions

Length	1000 ft
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Ordering Information

Product Number	00D101EB49RA00F-P
Packaging Method	Box
Units per Delivery	1/1

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The Corning logo consists of the word "CORNING" in a white, serif, all-caps font, centered within a solid blue square.

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