# Evolv® ROC™ Drop Dielectric Assembly Pushlok® Hybrid Jumper, 1000 ft, bulk packaging

**Part Number:**
**D14401EB4R3A00F**

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

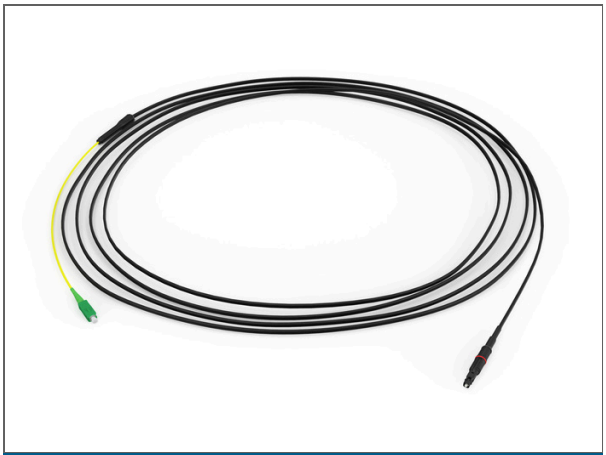
**Hardened connector technology**
Reduced-diameter Pushlok® connector

**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 | Bulk Pack |
| Installation Methods | Aerial |

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

| Environmental Conditions | |
|---|---|
| Temperature Range, Operation | -40 °C to 70 °C (-40 °F to 158 °F ) |

| Design | |
|---|---|
| Fiber Count | 1 |

| 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 | Pushlok |

| Specifications - Connector B | |
|---|---|
| Reflectance, Typical | > 65 dB (optical return loss) |
| Insertion Loss, Typical | ≤ 0.15 dB |
| Connector Type | SC Simplex |

| Dimensions | |
|---|---|
| Length | 1000 ft |

| Ordering Information | |
|---|---|
| Product Number | D14401EB4R3A00F |
| Packaging Method | Box |
| Units per Delivery | 6/1 |

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RoHS COMPLIANT

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