# Evolv® ROC™ Drop Dielectric Assembly Pushlok® Jumper, 100 F, bulk packaging

**Part Number:**
**D1D101EB49R100F**

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**
ble plus fin et performant

**Robust design**
Design renforcé

**Flexible connector offerings**
Dual-ended or pigtailed versions to accommodate any ONT interface

**Versatile installation environments**
installation

Evolv® ROC™ Drop Dielectric Assembly, Pushlok® Jumper, 100 F, bulk packaging

# Evolv® ROC™ Drop Dielectric Assembly Pushlok® Jumper, 100 F, bulk packaging

## Specifications

| General Specifications | |
|---|---|
| Fiber Category | Single-mode (OS2) |
| Cable Assembly Type | Drop Assemblies |
| Environment | Outdoor |
| Application | Aerial |
| Cable Type | ROC™ dielectric drop |
| Assembly Insertion Loss | ≤ 0.3 dB |
| Solution | Evolv® |
| Pulling grip | None |
| Packaging | Bulk Pack |
| Preconnectorized "Stubbed" Hardware | Yes |

| 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 ) |

| 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 |
| Fiber Name | Single-mode (OS2) |
| Fiber Type | Single-mode (OS2) / 250 µm |

# Evolv® ROC™ Drop Dielectric Assembly Pushlok® Jumper, 100 F, bulk packaging

| Optical Characteristics | |
|---|---|
| Fiber Compliance | ITU-T G.652.D |
| Performance Option Code | 01 |
| Maximum Attenuation | 0.4 dB/km / 0.4 dB/km / 0.3 dB/km |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Fiber Category | OS2 |

| 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 | Pushlok® |

| Dimensions | |
|---|---|
| Length | 100 ft |

| Ordering Information | |
|---|---|
| Product Number | D1D101EB49R100F |
| Packaging Method | Box |
| Units per Delivery | 50/1 |

# Evolv® ROC™ Drop Dielectric Assembly Pushlok® Jumper, 100 F, bulk packaging

CORNING

RoHS COMPLIANT

Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm