

Evolv® ROC™ Drop with Pushlok® Technology 1F Pushlok to 1F LC Uniboot, Dielectric, 50 m, bulk packaging

CORNING

Part Number:
D17801JB49R050M

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 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

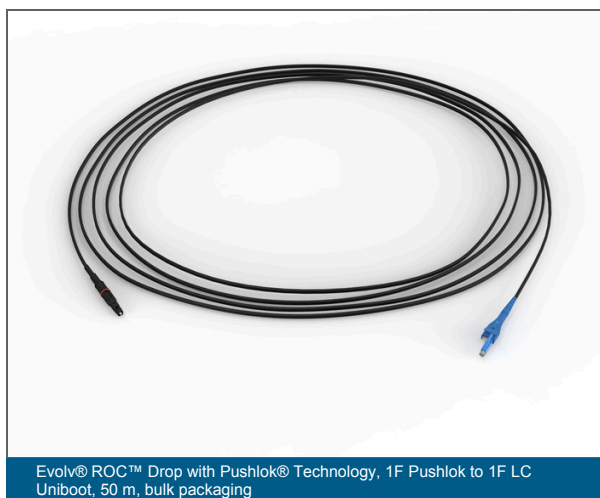
Dual-ended or pigtailed versions to accommodate any ONT interface Hybrid assemblies with hardened connector (terminal) to SC APC (ONT) are available with both OptiTap and Pushlok variants 1F small cell variants with a Pushlok hardened connector to LC or Uniboot

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

Cable Type	ROC Drop
Assembly Insertion Loss	≤ 0.4 dB
Connector Assembly Type	Pushlok LC Uniboot
Packaging	Bulk Pack

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Design

Fiber Count	1
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Optical Characteristics

Fiber Code	J
Performance Option Code	22
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	ClearCurve® LBL
Maximum Attenuation	0.36 dB/km / 0.36 dB/km / 0.22 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A2/B2
Fiber Core Diameter	8.2 µm
Cladding diameter	125 µm
Coating diameter	242 µm
Dispersion @ 1550 nm	≤ 18 [ps/(nm*km)]
Dispersion @ 1625 nm	≤ 23 [ps/(nm*km)]
Fiber Bend Performance at 1550nm 7.5mm radius	≤ 0.4 dB/turn

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Optical Characteristics

Cable cutoff wavelength	1260 nm
Mode-Field Diameter at 1310 nm	8.6 μ m
Mode-Field Diameter at 1550 nm	9.6 μ m
PMD Link Design Value	≤ 0.06 ps/ $\sqrt{\text{km}}$
PMD maximum individual fiber	≤ 0.2 ps/ $\sqrt{\text{km}}$
Parallel Optics 40 Gigabit Ethernet	150 m / -

Specifications - Connector A

Insertion Loss, Max.	0.4 dB
Connector Type	Pushlok
Reflectance	≤ -65 dB

Specifications - Connector B

Insertion Loss, Max.	0.4 dB
Connector Type	LC Uniboot
Reflectance	≤ -65 dB

Dimensions

Length	50 m (164 ft)
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Ordering Information

Product Number	D17801JB49R050M
Packaging Method	Box

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