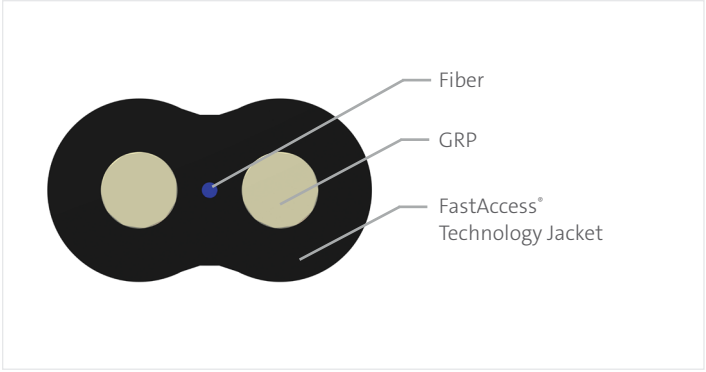
CORNING

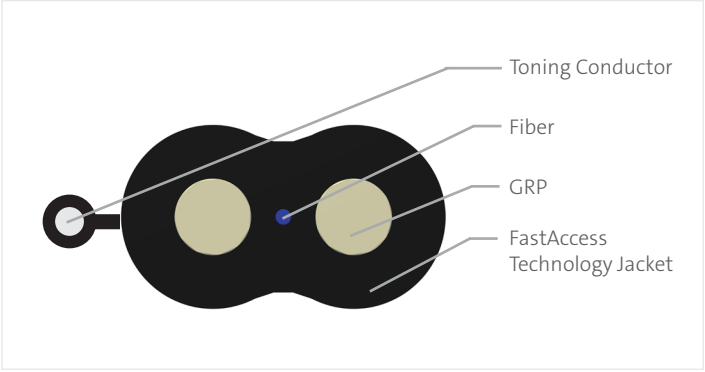
ROC™ Drop Cable Assembly

Outdoor, flat cable design, dielectric or toneable

Dielectric



Toneable



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%. 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.

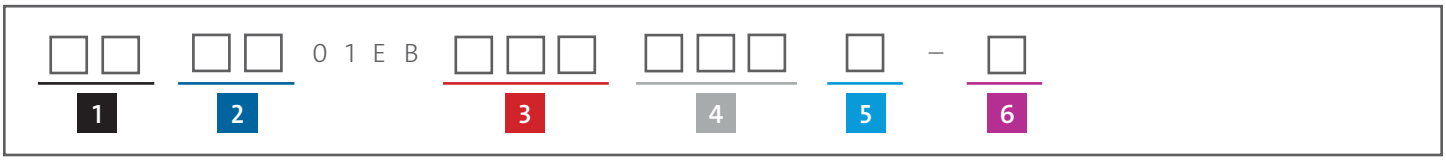
Features	Benefits
Hardened connector technology	OptiTap® connector, industry standard for existing FTTx networks, or reduced-diameter Pushlok™ connector.
Reduced optimized cable cross-section	Smaller profile and bend radius. Flexibility allows for increased slack-storage capacity in existing optical 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. Small cell variants with Pushlok connectors to LC or Uniboot connectors.
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; OptiTap connector is suitable for 1.25-in conduit; Pushlok connector is suitable for 13-mm inner diameter duct.

Standards	
Design and Test Criteria	GR-3120

Pushlok™ Connector Specifications	
Insertion Loss, typical	0.15 dB
Reflectance, typical	≤ -0.65 dB
Outer diameter dimensions	12.0 mm (with dust cap)

Cable Specifications	
Axial Pull, plug-to-adapter coupling strength	50.0 lb
Axial Pull, plug-to-cable through the dust cap	100.0 lb
Cold mate/demate	-40°C mechanical testing

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
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 999 ft. *See Table A for lengths ≥ 1,000 ft.*

Lengths
Minimum: 2 m/6 ft

Meters lengths
2-, 3-, 5-, then 5-m increments up to 600 m

Foot lengths
6-, 10-, then 10- or 25-ft increments up to 2,000 ft

Note: Contact customer care for extended length offerings.

5 Select cable assembly unit of length.

F = Feet
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 1,500 ft/455 m.
Greater than 1,501 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.

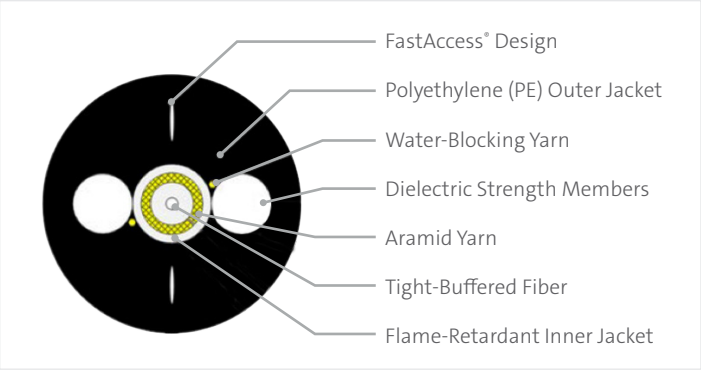
Table A: Alpha codes for lengths ≥ 1,000 ft

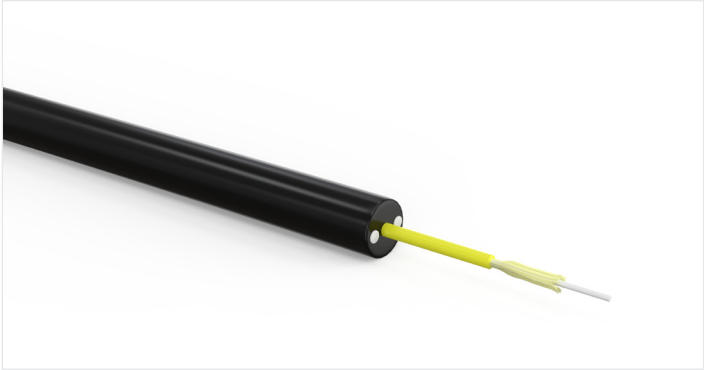
A00 = 1,000	C00 = 1,200	F00 = 1,500	J00 = 1,800
B00 = 1,100	D00 = 1,300	G00 = 1,600	K00 = 1,900
	E00 = 1,400	H00 = 1,700	L00 = 2,000

CORNING

Evolv® Round ROC™ Drop Cable Assemblies with Pushlok™ Technology

Indoor/Outdoor, round cable design, dielectric





Drop cables are designed for rugged outdoor environments while compact drop cables are designed for challenging indoor bend environments. The Evolv® Round ROC™ drop cable design is gel-free, fully water-blocked, and UV resistant. Designed to meet industry standard requirements for indoor and outdoor drop cables, the product eliminates the need for termination to transition from the outdoor environment to an indoor ONT. This dielectric version eliminates any bonding and grounding requirements and is suitable for aerial, direct-buried, and duct installation.

Features	Benefits
Pushlok™ Technology	Leading technology for FTTx installations
FastAccess Technology	Saves time and reduces complexity
Jettable	Can be used for pull or jet installs
Dielectric	Eliminates bonding and grounding requirements
Round cable with GRP strength members	Optimizes performance in ducts; cable design avoids kinking in duct bends
Bend-insensitive single-mode fiber	Enables installers to route the subunit around tight corners down to 5 mm (0.2 in) radius inside the home
Crush resistance	Fiber protection and signal integrity
Indoor subunit in a rugged outdoor cable	Eliminates the need for termination transition in indoor ONT and allows ease of installation in space-constrained areas

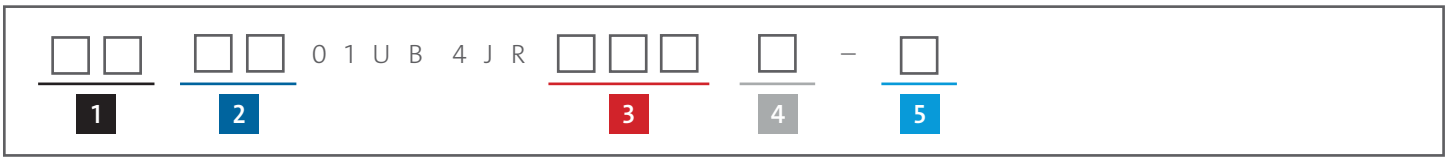
Standards	
Design and Test Criteria	Telcordia GR-3120, GR-20
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
NESC Heavy	150 ft

Pushlok™ Connector Specifications	
Insertion Loss, typical	0.15 dB
Reflectance, typical	≤ -0.65 dB
Outer diameter dimensions	12.0 mm (with dust cap)

Cable Specifications	
Axial Pull, plug-to-adapter coupling strength	50.0 lb
Axial Pull, plug-to-cable, through the dust cap	100.0 lb
Cold mate/demate	-40°C mechanical testing

General Specifications	
Fiber type	Single-mode
Fiber Category	Corning® ClearCurve® ZBL
Environment	Indoor/Outdoor
Application	FTTx: Duct, Jetting, General Purpose Horizontal, Vertical Riser, Aerial
Cable Type	ROC™ Dielectric Drop
Connector Assembly Type	Pigtail to Pushlok™
Assembly Insertion Loss	0.15 dB

Ordering Information



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