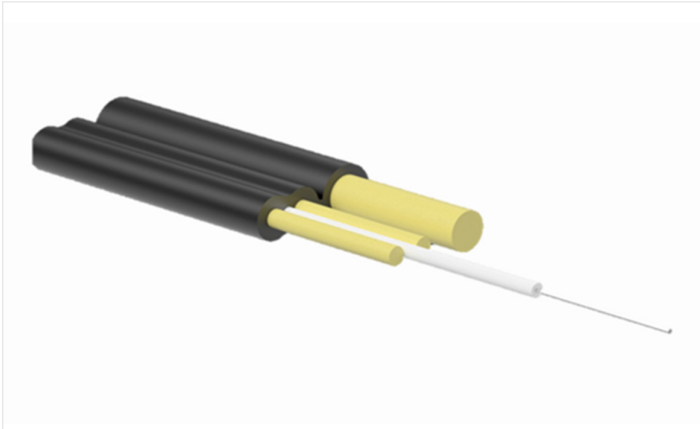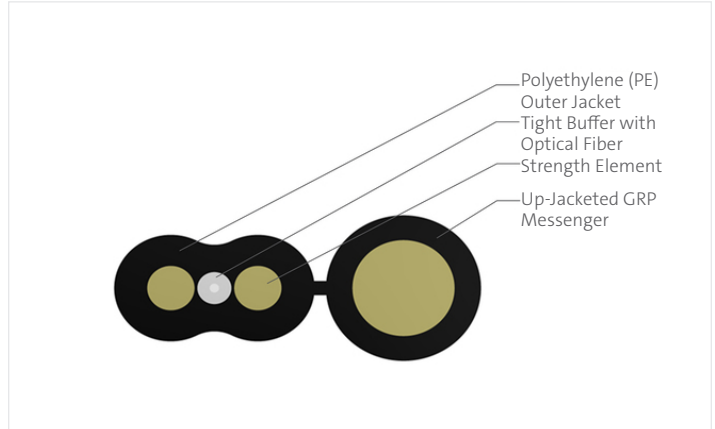# CORNING

Evolv® Long-Span ROC™ Drop Cable Assembly with Pushlok™ Technology

Outdoor, flat cable design, dielectric only

Long-Span ROC™ Drop, 1 F, SMF-28® Ultra fiber, Single-mode (OS2)

Polyethylene (PE) Outer Jacket
Tight Buffer with Optical Fiber
Strength Element
Up-Jacketed GRP Messenger

Long-Span ROC Drop, 1 F, SMF-28 Ultra fiber, Single-mode (OS2)

Long-Span ROC™ Drop All-Dielectric Self-Supporting (ADSS) cable assemblies provide preterminated drop capabilities for span distances not achievable with traditional cable construction. The long-length ADSS version allows pole-to-pole span lengths ranging from 400 ft to 650 ft under NESC® wind loading conditions. There is no support or messenger wire required, allowing installation to be achieved in a single pass, dramatically reducing installation time and cost while delivering high-speed internet to rural areas. The cables are RDUP (RUS) Listed and offer exceptional crush resistance.

The Evolv® Long-Span ROC drop cable design is gel-free, fully water-blocked, and UV resistant. Its robust design and added GRP is designed to meet industry standard requirements for outdoor drop cables. This dielectric assembly eliminates any bonding or grounding requirements and is suitable for aerial, direct-buried, and duct installation.

Features	Benefits
Pushlok™ Technology	Leading technology for FTTX installations
Dielectric	Eliminates bonding and grounding requirements
Larger GRP strength members	Enables NESC Heavy 400-ft pole spans
Crush resistance (RDUP/RUS Listed)	Fiber protection and signal integrity
Self-supporting	No support or messenger wire required

Standards

Standards	
Design and Test Criteria	Telcordia GR-3120, GR-20
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
*NESC Loading	400 ft to 650 ft

*Consult NESC guidelines for ground clearance requirements.

Pushlok™ Connector Specifications

Pushlok™ Connector Specifications	
Insertion Loss, typical	0.15 dB
Insertion Loss, maximum	0.40 dB
Reflectance, typical	≤ -0.65 dB
Outer diameter dimensions	12.0 mm (with dust cap)

Cable Assembly Specifications

Cable Assembly Specifications	
Environment	Outdoor
Application	FTTx
Cable Type	Long-Span ROC™ Dielectric Cable
Fiber Category	Ultra fiber
Fiber Count	1
Connector Assembly Type	Pushlok-Pushlok; Pushlok-SC APC, Pushlok-Pigtail, and SC APC-Pigtail
Assembly Insertion Loss	Pushlok-Pushlok and Pushlok-SC APC, and SC APC-Pigtail: 0.5 dB Pushlok-Pigtail: 0.4 dB

Accessories

Accessories	
Recommended Clamps (Both have been tested with favorable results)	AB2106 (Can be ordered through Corning or directly through Allied Bolt) S1 0978 (Can be ordered through MSI)
Jacket Removal RDST Tool	RDST-000
Lobe Removal Tool	ROC-LS-RT

Evolv® Long-Span ROC™ Drop Cable Assembly with Pushlok™ Technology Ordering Information

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1	**2**		**3**	**4**	**5**		**6**

1 Select end one connector.

00 = No Connector
D1 = Pushlok Connector

2 Select end two connector.

D1 = Pushlok Connector
44 = SC APC Connector, simplex

3 Select input.

L9R = Long-Span ROC assembly
LFR = Long-Span ROC assembly with pulling grip

4 Select cable assembly length (three-digit length) for lengths under 999 ft. *See Table A for lengths ≥ 1,000 ft.*

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.

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

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

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