



1 F ROC Drop, Pushlok to SC APC



1 F ROC Drop, Pushlok to Pigtail

Pushlok™ hardened connector technology is the key component enabling smaller terminals and drops for FTTx networks than ever before. Designed for use in nearly every access network environment, the terminal is small enough to be placed in existing handholes or pedestals where space is paramount, on building façades, or in aerial networks (pole- or strand-mount). Attractive aesthetics improve end-user adoption for façade applications.

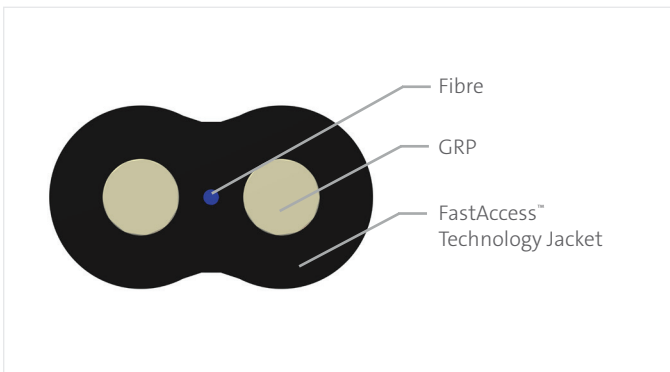
To supplement the new Evolv™ Terminal portfolio, the Evolv Drop assemblies will also feature Pushlok technology. The Evolv Drop portfolio includes 1 F ROC™ drop cables, SC APC converters, and test jumpers.

Features	Benefits
Hardened connector technology	Reduced-diameter Pushlok connector.
Flexible connector offerings	Dual-ended or pigtailed versions to accommodate any ONT interface. Hybrid assemblies with hardened connector (terminal) to SC APC (ONT).
Versatile installation environments	Cable variants for aerial (dielectric), duct, and MDU applications.
Dual compatibility	OptiTap and SC APC converters enable users to convert Pushlok connectors into OptiTap and SC APC form factors.

ROC™ Drop Cable Assembly

Outdoor, flat cable design, dielectric

Dielectric



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 optimised 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.
Versatile installation environments	Aerial: dielectric, self-supporting at Openreach max span of 68 m. Duct: integral pulling eye/connector cap designed for 45 kg maximum pulling tension; OptiTap connector is suitable for 3.2-cm conduit; Pushlok connector is suitable for 13 mm inner diameter duct.

Standards

Design and Test Criteria	GR-3120
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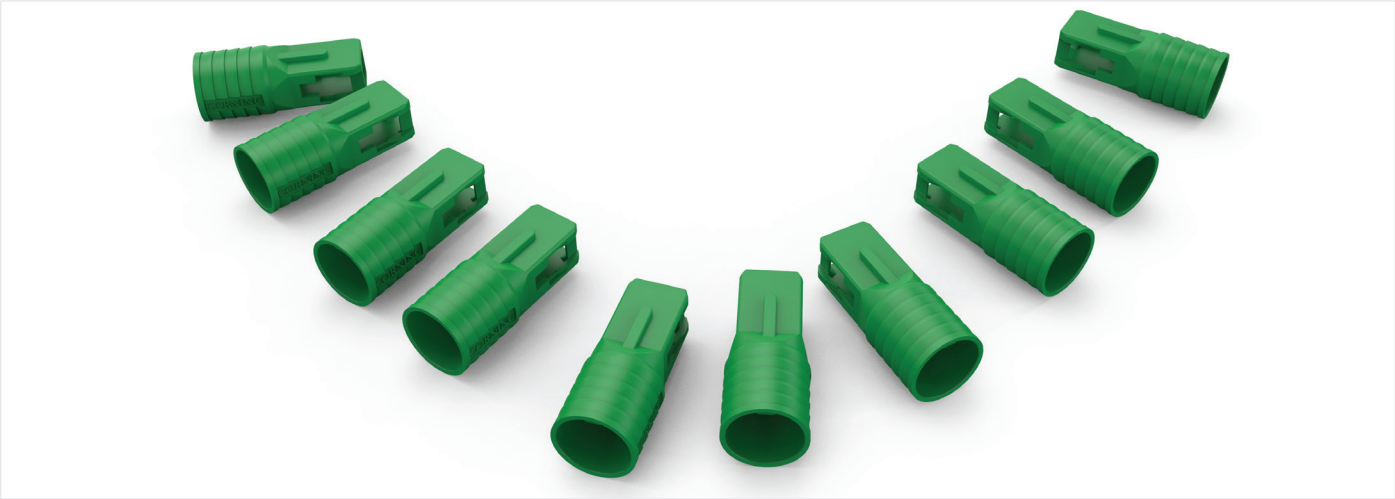
Pushlok™ Connector Specifications	
Insertion Loss, typical	0.15 dB
Reflectance, typical	-0.65 dB
Outer diameter dimensions	12.0 mm (with dust cap)

Cable Specifications	
Axial Pull, plug-to-adapter coupling strength	23 kg
Axial Pull, plug-to-cable, through the dust cap	45 kg
Cold mate/demate	-40°C mechanical testing

Ordering Information

Openreach Item Code	Openreach Description	Corning Part Number	Corning Description
113023	Pushlok Drop Cable OH / UG 35 m Box	00D101JB49R035M-BT-T	1 F ROCFDRP PUSHLOK/XXX 35 m
113024	Pushlok Drop Cable OH / UG 65 m Box	00D101JB49R065M-BT-T	1 F ROCFDRP PUSHLOK/XXX 65 m
113026	Pushlok Drop Cable OH / UG 105 m Box	00D101JB49R105M-BT-T	1 F ROCFDRP PUSHLOK/XXX 105 m
113027	Pushlok Drop Cable OH / UG 160 m Box	00D101JB49R160M-BT-T	1 F ROCFDRP PUSHLOK/XXX 160 m P
113028	Pushlok Drop Cable OH / UG 350 m DRM	00D101JB49R350M-BT-T	1 F ROCFDRP PUSHLOK/XXX 350 m P

Evolv™ Drop Accessories



Pushlok™ Drop Cable Assembly Accessory Information

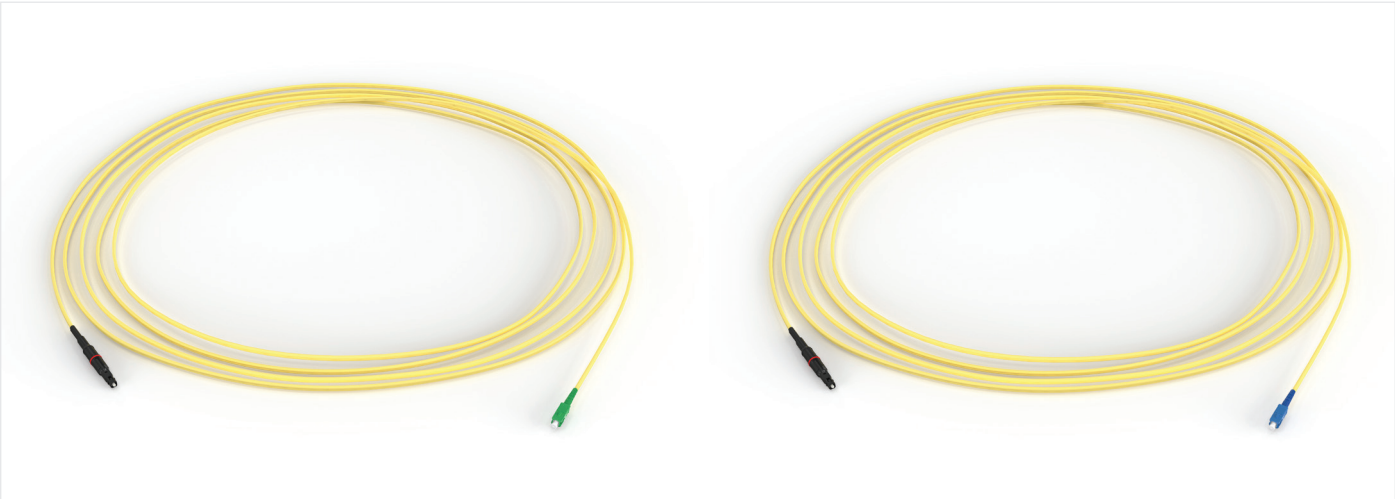
Evolv™ SC Converter with Pushlok™ Technology	
Part Number	KT-PL-SHROUD-SC
Description	SC APC shroud for converting Pushlok drop connectors to an SC form factor
Minimum Order Quantity (MOQ)	10



Pushlok Drop Cable Assembly Accessory Information

Evolv OptiTap® Converter with Pushlok Technology	
Part Number	KT-PL-OPT-CONV
Description	OptiTap housing for converting Pushlok drop connectors to an OptiTap form factor
Minimum Order Quantity (MOQ)	10

Evolv™ Test Jumpers with Pushlok™ Technology



Accessory Information	
SC APC Test Jumper	
Part Number	D14401E31AJ003M
Description	Evolv™ Test Jumper with Pushlok™ Technology, 1 F Pushlok to SC APC simplex, 3 m
SC APC Test Jumper	
Part Number	D15801E31AJ003M
Description	Evolv Test Jumper with Pushlok Technology, 1 F Pushlok to SC UPC simplex, 3 m

Evolv™ Port Cleaner with Pushlok™ Technology



Accessory Information	
Evolv™ Port Cleaner with Pushlok™ Technology	
Part Number	CLEANER-PUSHLOK
Description	The Evolv port cleaner with Pushlok technology is compatible with both Pushlok and OptiTap® connectors and Evolv terminals and multiports. Single-fibre port cleaner accessories are proven effective for removing the following from connector end faces: skin oil, hand lotion, Arizona road dust, pre- and postmate graphite, salt, isopropyl alcohol residue, and distilled water residue. These cleaners are easy to use and offer over 525 cleanings.
Standards	Free of hazardous substances according to RoHS 2011/65/EU*

*“Compliant with EU RoHS 2011/65/EU” means that the product or part complies with directive 2011/65/EU of the European Parliament regarding the restriction of the use of certain hazardous substances in electrical and electronic equipment. This statement represents Corning’s knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to Corning.

