

OptiSnap® SC APC, LC Compatible Single-Mode Field-Installable Connector

An Evolant®
Solutions Product

features and benefits |

No-epoxy/no-polish or other consumables required	Quick and easy installation, less than one minute per connector on average
100 percent factory tested for insertion loss	Typical insertion loss of 0.2 dB for UPC and 0.4 dB for APC connectors
Factory-polished end face	Low insertion loss and high-performance return loss
Reliable, proven mechanical splice technology	Over 40 million connectors deployed in various applications
No need for electrical power for ovens or lights	Reduces complexity

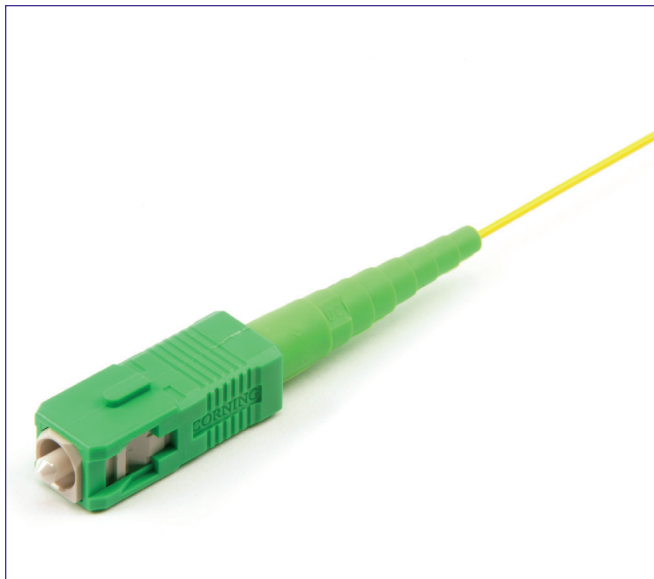
standards |

Telcordia GR-1209 and GR-1221

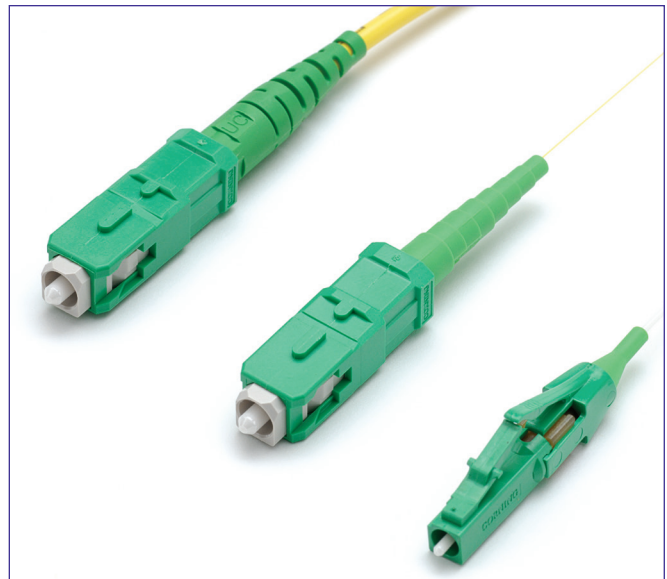
With proven field-installable connector technology, fiber terminations using the OptiSnap® Connector system are fast, easy and reliable. The Corning Cable Systems high-precision mechanical splice technology enables fiber optic networks to be installed quickly and cost effectively.

The Corning Cable Systems go/no-go feedback signal allows the installer to verify that the installation is performed right the first time, every time. Insert the fiber, activate the cam and watch the pass/fail light illuminate, instilling confidence in every connector installed.

The factory-polished ceramic ferrule provides superior quality for end-face geometry. The single-mode OptiSnap Connector is available in an ultra physical contact (UPC) polish or an angled physical contact (APC) polish (SC only), offering you a higher grade of performance for your field terminations. With fast installation time and low insertion loss, the OptiSnap Connector system provides a good alternative to fusion splicing. Installation is as easy as strip, clean, cleave, cam and crimp.



OptiSnap SC Connector | Photo LAN808



OptiSnap Connectors | Photo CCA204

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specifications |

Intermateability	Connectors are FOCIS compliant with TIA/EIA 604-3 (SC), FOCIS 10 (LC)
Qualification	Passed TIA/EIA 568-B.3
Durability	<0.2 dB change, 500 rematings, FOTP-21
Tensile Strength	11.24 lb < 0.2 dB change on jacketed cable 1.1 lb < 0.2 dB change on 900 µm cable 0.5 lb < 0.2 dB change on 250 µm cable
Operating Temperature	See tables below for connector-specific operating temperatures
Nominal Fiber OD	125 µm

UPC Connector Style

UPC insertion loss (dB) Typical 0.2 Max 0.5

Connector Style	Polish	Cable Compatibility	Part Number	Ferrule	Reflectance (dB)	Housing Color
SC	UPC	900 µm	OSNP-SCU-900	Ceramic	-55 Typical	Blue
ST® Compatible	UPC	900 µm	OSNP-STU-900	Ceramic	-55 Typical	Amber
LC	UPC	900 µm	OSNP-LCU-900	Ceramic	-55 Typical	Blue
SC	UPC	250 µm	OSNP-SCU-250	Ceramic	-55 Typical	Blue

Note: UPC return loss (-dB) -55 Typical at 25 degrees C +5 degrees.

UPC Operating Temperature

Connector Style	Cleaver Type	Temperature Range	Cable Type	Reflectance (dB)
UPC	FBC-014 (Angle)	-40° to +75°C	250 µm	-40 Max RL
UPC	FBC-015 (Flat)	-40° to +75°C	250 µm	-32 Max RL
UPC	FBC-015 (Flat)	0° to +60°C	900 µm	-32 Max RL
UPC	FBC-016 (Angle)	0° to +60°C	900 µm ClearCurve®	-40 Max RL

Note: All insertion loss values are given for installation with the OptiSnap® Connector installation tool, mated to a master reference jumper, terminated on Corning fiber and tested to Corning Cable Systems Recommended Procedures. Individual OptiSnap Connector installation tools are available for ordering. Please contact Corning Cable Systems Customer Service for additional information. Refer to EVO-960-EN for OptiSnap Tool Kit information.

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specifications | continued

APC Connector Style

APC insertion loss (dB) Typical 0.4 Max 0.75

Connector Style	Polish	Cable Compatibility	Part Number	Ferrule	Reflectance (dB)	Housing Color
SC	APC	900 µm	OSNP-SCA-900	Ceramic	-60 Typical	Green
SC	APC	250 µm	OSNP-SCA-250	Ceramic	-60 Typical	Green

Note: APC return loss (-dB) -60 Typical at 25 degrees C +/- 5 degrees.

APC Operating Temperature

Connector Style	Cleaver Type	Temperature Range	Cable Type	Reflectance (dB)
APC	FBC-014 (Angle)	-40° to +75°C	250 µm	-50 Max RL
APC	FBC-015 (Flat)	-40° to +75°C	250 µm	-40 Max RL
APC	FBC-015 (Flat)	0° to +60°C	900 µm	-40 Max RL
APC	FBC-016 (Angle)	0° to +60°C	900 µm ClearCurve®	-50 Max RL

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ordering information |

Part Number	Description
Single Packs	
OSNP-STU-900	OptiSnap® ST® Compatible Connector, single-mode, UPC polish, ceramic ferrule, single pack, amber housing, blue 900 µm and 2.9 mm boots
OSNP-SCU-900	OptiSnap SC Connector, single-mode, UPC polish, ceramic ferrule, single pack, blue housing, blue 900 µm and 2.9 mm boots
OSNP-LCU-900	OptiSnap LC Connector, single-mode, UPC polish, ceramic ferrule, single pack, blue housing, blue 900 µm and 2.9 mm boots
OSNP-SCU-250	OptiSnap SC Connector, single-mode, UPC polish, ceramic ferrule, single pack, blue housing, blue 900 µm boot, only compatible with 250 µm cable
OSNP-SCA-900	OptiSnap SC Connector, single-mode, APC polish, ceramic ferrule, single pack, green housing, green 900 µm and 2.9 mm boots
OSNP-SCA-250	OptiSnap SC Connector, single-mode, APC polish, ceramic ferrule, single pack, green housing, green 900 µm boot, only compatible with 250 µm cable
Organizer Packs	
OSNP-STU-900-Z	OptiSnap ST Compatible Connector, single-mode, UPC polish, ceramic ferrule, 25-piece box, amber housing, blue 900 µm and 2.9 mm boots
OSNP-SCU-900-Z	OptiSnap SC Connector, single-mode, UPC polish, ceramic ferrule, 25-piece box, blue housing, blue 900 µm and 2.9 mm boots
OSNP-LCU-900-Z	OptiSnap LC Connector, single-mode, UPC polish, ceramic ferrule, 25-piece box, blue housing, blue 900 µm and 2.9 mm boots
OSNP-SCU-250-Z	OptiSnap SC Connector, single-mode, UPC polish, ceramic ferrule, 25-piece box, blue housing, blue 900 µm boot, only compatible with 250 µm cable
OSNP-SCA-900-Z	OptiSnap SC Connector, single-mode, APC polish, ceramic ferrule, 25-piece box, green housing, green 900 µm and 2.9 mm boots
OSNP-SCA-250-Z	OptiSnap SC Connector, single-mode, APC polish, ceramic ferrule, 25-piece box, green housing, green 900 µm boot, only compatible with 250 µm cable

Note: All insertion loss values are given for installation with the OptiSnap Connector installation tool, mated to a master reference jumper, terminated on Corning fiber and tested to Corning Cable Systems Recommended Procedures. Individual OptiSnap Connector installation tools are available for ordering. Please contact Corning Cable Systems Customer Service for additional information. Refer to EVO-960-EN for OptiSnap Tool Kit information.

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