

OptiSnap® Connector, SC

Single-mode (OS2) UPC

CORNING

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

The Corning go/no-go feedback signal allows the installer to verify that the installation is performed right the first time, every time. Insert the fibre, 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.



Part Number: OSNP-SCU-900

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

Intermateability

Connectors are FOCIS compliant with TIA/EIA 604-3 (SC), FOCIS 10 (LC)

Approval and Listings

Passed EIA/TIA 568-B.3

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Specifications

General Specifications

Technology	No-Epoxy/No-Polish
Keyed	No
Product Type	Field-Installable Connectors
Packaging	Single Pack
Fibre Category	Single-mode (OS2)

Temperature Range

Operation	0 °C to 60 °C (32 °F to 140 °F)
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Design - Connector

Connector Type	SC
Ferrule Material	Ceramic
Polish	UPC
Housing Material	Composite
Housing Colour	Blue
Boot Colour	Blue

Mechanical Specifications - Connector

Durability	< 0.2 dB change by 500 rematings, FOTP-21
Tensile strength jacketed cable	49.5 N, change ≤ 0.2 dB (11.24 lb, change ≤ 0.2 dB)
Tensile strength 900 µm cable	4.8 N, change ≤ 0.2 dB (1.1 lb, change ≤ 0.2 dB)
Temperature cycling	≤ 0.3 dB
Nominal fibre outer diameter	125 µm
Cable Compatibility	900 µm

Optical Specifications - Connector

Insertion Loss, Typical	0.2 dB
Insertion Loss, Maximum	0.5 dB
Reflectance, -0°C to +60°C	≥ -32 dB (FBC-009, for 900 µm)
Reflectance (angled cleave), -0°C to +60°C	≥ -40 dB (FBC-016, for 900 µm)

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Chemical characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

Ordering Information

Part Number	OSNP-SCU-900
Product Description	OptiSnap [®] Connector, SC, single-mode (OS2), ceramic ferrule, single pack, blue housing, blue boot

Shipping Information

Units per Delivery	1/1
Package Contents	Connector, shroud, crimp band, boot (900 µm), boot (3.0 mm), boot (2.0 mm)

