

# OptiSnap® Connector, SC Organizer Pack, Single-mode (OS2) UPC

CORNING

## Part Number: OSNP-SCU-900-Z

With proven field-installable connector technology, fiber terminations using the OptiSnap® connector system are fast, easy and reliable. Corning high-precision mechanical splice technology enables fiber 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 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, 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.



## 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 0.3 dB for APC connectors

### **Factory-polished end face**

Low insertion loss and high-performance return loss

### **Reliable, proven mechanical splice technology**

Over 70 million connectors deployed in various applications

### **No need for electrical power for ovens or lights**

Reduces complexity

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## Specifications

### Mechanical Specifications - Connector

Cable Compatibility	900 µm
Nominal Fiber Outer Diameter	125 µm
Tensile Strength Jacketed Cable	49.5 N
Durability	< 0.2 dB change, 500 rematings, FOTP-21
Tensile Strength 900 µm Cable	4.8 N (1.1 lb) change ≤ 0.2 dB

### Design - Connector

Connector Type	SC
Housing Color	Blue
Housing Material	Composite
Boot Color	Blue
Ferrule Material	Ceramic
Keyed (security)	No

### Environmental Conditions

Temperature Range, Operation	-40 °C - 75 °C (-40 °F - 167 °F)
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### General Specifications

Fiber Category	Single-mode (OS2)
Product Type	Field-Installable Connectors
Keyed (security)	No

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## General Specifications

Technology	No-Epoxy/No-Polish
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## Optical Specifications - Connector

Polish	UPC
Insertion Loss, Max.	0.5 dB
Reflectance	$\geq -32$ dB (FBC-009 for 900 $\mu$ m)
Insertion Loss, Typical	0.2 dB
Reflectance (angled cleave)	$\geq -40$ dB (FBC-016 for 900 $\mu$ m)

## Ordering Information

Packaging	Organizer Pack
Package Contents	25 connectors, 25 shrouds, 25 crimp bands, 25 boots (900 $\mu$ m), 25 boots (3.0 mm), 25 boots (2.0 mm)
Units per Delivery	25/1

## Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	Passed EIA/TIA 568-B.3

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