

# OptiSnap® Connector, LC

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. 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 0.4 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 604-10A and IEC61754-20

### **Approval and Listings**

Passed EIA/TIA 568-B.3



Part Number: OSNP-LCU-900

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## Specifications

### General Specifications

Technology	No-Epoxy/No-Polish
Product Type	Field-Installable Connectors
Keyed	No
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	LC
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)
Tensile strength 250µ cable	2.2 N, change ≤ 0.2 dB (0.5 lb, change ≤ 0.2 dB)
Temperature cycling	≤ 0.3 dB IL, -40° to +75°C, 21 cycles
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-LCU-900
Product Description	OptiSnap® Connector, LC UPC, single-mode (OS2), ceramic ferrule, single pack, blue housing, blue boot

Shipping Information

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

