

OptiSnap® Connector, LC

Organizer Pack, 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



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Specifications

General Specifications

Technology	No-Epoxy/No-Polish
Product Type	Field-Installable Connectors
Keyed	No
Packaging	Organiser 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
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 \leq 0.2 dB (11.24 lb, change \leq 0.2 dB)
Tensile strength 900 μ m cable	4.8 N, change \leq 0.2 dB (1.1 lb, change \leq 0.2 dB)
Tensile strength 250 μ cable	2.2 N, change \leq 0.2 dB (0.5 lb, change \leq 0.2 dB)
Temperature cycling	\leq 0.3 dB IL, -40° to +75°C, 21 cycles
Nominal fibre outer diameter	125 μ m
Cable Compatibility	900 μ m

Optical Specifications - Connector

Insertion Loss, Typical	\leq 0.2 dB
Insertion Loss, Maximum	\leq 0.5 dB
Reflectance, -0°C to +60°C	\geq -32 dB (FBC-009, for 900 μ m)
Reflectance (angled cleave), -0°C to +60°C	\geq -40 dB (FBC-016, for 900 μ m)

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Chemical characteristics

RoHS

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

Ordering Information

Part Number

OSNP-LCU-900-Z

Product Description

OptiSnap® Connector, LC UPC, single-mode (OS2), ceramic ferrule, organiser pack, blue housing, blue boot

Shipping Information

Units per Delivery

25/1

Package Contents

25 connectors, 25 triggers, 25 crimp bands, 25 boots (900 µm), 25 boots (3.0 mm), 25 boots (2.0 mm)



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