

# NPC+ (No Polish Connector) SC APC, FS, 250 $\mu$ m and 900 $\mu$ m

CORNING

**Part Number:**  
**NPCP-SCA-48**

The NPC+ (No Polish Connector) eliminates field polishing, loose parts, and termination tools. The innovative buffer clamp design eliminates rework by delivering superior twist and transmission with applied load (TWAL) mechanical performance. After fiber preparation and cleaving, installation is a simple three-step process: insert fiber, actuate splice, activate the buffer clamp. Faster than fusion splicing, the NPC+ delivers savings in installation expense and reduces overall complexity of termination.



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## Specifications

### General Specifications

Fiber Category	Single-mode (OS2)
Product Type	Field-Installable Connectors
Technology	No-Epoxy/No-Polish

### Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	In compliance with environmental and mechanical requirements of TIA/ EIA-568-D.3, GR-1081, Issue 1 section 4.3 yield, Insertion loss requirements of GR-1081-CORE, Issue 1 (GR-326-CORE, Issue 4) Thermal Cycle and Thermal Age; Back reflection performance was typical of an index gel-matched mechanical splice connector

### Environmental Conditions

Temperature Cycling Standard	"≤ 0.3 dB IL, -40° to +75°C, 21 cycles"
Temperature Range, Operation	-40 °C to 75 °C (-40 °F to 167 °F )
Temperature Range, Storage	-40 °C to 85 °C (-40 °F to 185 °F )

### Design - Connector

Connector Type	SC
Housing Color	Green
Ferrule Material	Yttria-stabilized Zirconia

### Mechanical Specifications - Connector

Nominal Fiber Outer Diameter	125 µm
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21

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## Optical Specifications - Connector

Polish	APC
Insertion Loss, Max.	0.6 dB
Insertion Loss, Typical	0.3 dB
Reflectance, Typical	< -55 dB

## Dimensions

Weight	33 g
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## Ordering Information

Product Number	NPCP-SCA-48
Package Contents	"48 piece box (6 connectors packaged in plastic thermoformed containers, 8 containers per box). Minimum Order Quantity: 48 PCE"
Shipping Weight	380 g
Units per Delivery	48/1



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