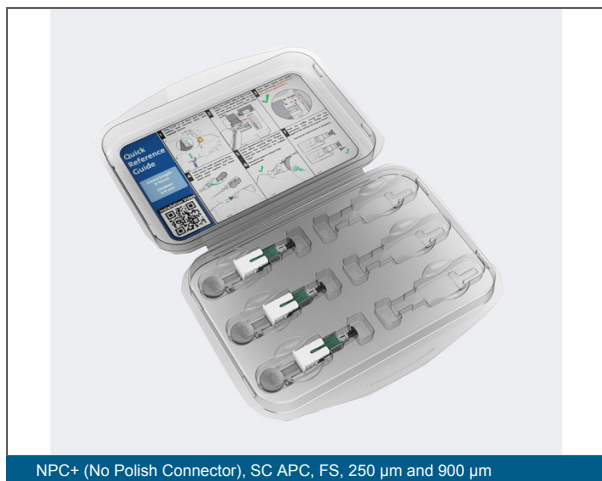


# NPC+ (No Polish Connector) SC APC, FS, 250 $\mu$ m and 900 $\mu$ m

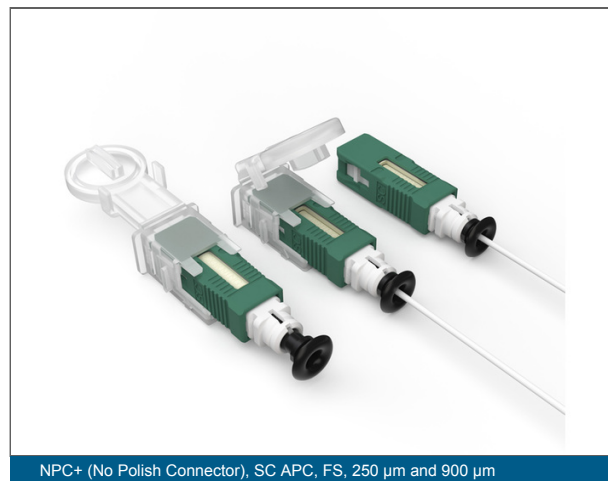


**Part Number:  
NPCP-SCA-48**

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.



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



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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	" $\leq 0.3$ dB IL, $-40^{\circ}$ to $+75^{\circ}\text{C}$ , 21 cycles"
Temperature Range, Operation	$-40^{\circ}\text{C}$ to $75^{\circ}\text{C}$ ( $-40^{\circ}\text{F}$ to $167^{\circ}\text{F}$ )
Temperature Range, Storage	$-40^{\circ}\text{C}$ to $85^{\circ}\text{C}$ ( $-40^{\circ}\text{F}$ to $185^{\circ}\text{F}$ )

### Design - Connector

Connector Type	SC
Housing Color	Green

### Mechanical Specifications - Connector

Nominal Fiber Outer Diameter	125 $\mu\text{m}$
Durability	$\leq 0.2$ dB change, 500 rematings, FOTP-21

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

CORNING

## Optical Specifications - Connector

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

## 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"
Units per Delivery	48/1



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