NPC+ (No Polish Connector) SC APC, FS, 250 μm and 900 μm

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.

Features and Benefits

Quick and easy installation Less than one minute per connector

One piece, preassembled design

No boot or other loose parts

Factory-polished end face

Low insertion loss and high-performance return loss with no on-site polishing or adhesives required

Proprietary rear buffer clamp design Delivers excellent twist, TWAL, and pull-out strength

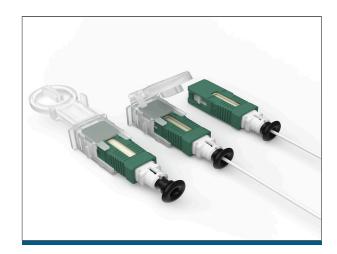
Field-termination enables installer to select ideal cable length

Minimizes cable slack to store

Deactivation of the buffer clamp and splice element (900 μ m only)

Provides one, single reuse





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Specifications

Mechanical Specifications - Connector		
Nominal Fiber Outer Diameter	125 μm	
Durability	\leq 0.2 dB change, 500 rematings, FOTP-21	

Design - Connector		
Connector Type	SC	
Housing Color	Green	
Housing Material	Composite	
Ferrule Material	Zirconia	

Environmental Conditions		
Temperature Cycling Standard	\leq 0.3 dB IL, -40° to +75°C, 21 cycles	
Operation Temperature	-40 °C - 75 °C (-40 °F - 167 °F)	
Storage Temperature	-40 °C - 85 °C (-40 °F - 185 °F)	

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

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