



**FIBER TOOLS**

# MECHANICAL CONNECTOR

The Tempo Communications field installable mechanical connector can be used in all FTT(x) applications. Cleaving the field fiber with a products like the FCL200, 915CL, 920CL or FCL100 fiber optic cleavers provides a precision cleave needed for optimum performance.

The mechanical connector is available in SC/APC and SC/UPC. Low insertion loss and low return loss specifications guarantee the fiber optic link will deliver high bandwidth connections. The connector can be installed in less than one minute with no epoxy.

## SPECIFICATIONS:

OPTICAL PERFORMANCE		
ITEM	TYPICAL (dB)	MAX (dB)
Insertion Loss	≤ 0.2	≤ 0.4
Return Loss	--	≥ 45 UPC, ≥ 55 APC
ENVIRONMENT		
Storage Temperature	-40 °C ~ +85 °C	
Operating Temperature	-40 °C ~ +85 °C	
Operating Humidity	≤85% (+30 °C)	
MECHANICAL		
Re-assembly	Five Times	
Tensile Strength	30N, Δ IL ≤ 0.3 dB	
Durability	500 times, Δ IL ≤ 0.3 dB	
Ferrule Material	Ceramic	
Ferrule Diameter	2.5mm	
Ferrule End Face	0° UPC, 8° APC	
Fiber Type	Singlemode (G.657B3)	
Fiber Geometry	Core diameter (9μm), coating (125μm)	
Cable	3.0mm Round Cable, 3.0 x 2.0mm Drop Cable	
	250/900 micron cable	
Operating Wavelength	1310nm to 1625nm	
Connection Method in Port	Push - Pull	
Average Assembly Time	< One Minute	
Gel Durability	20 Years	
Compliance	GR-326	

Specifications subject to change without notice.

## ORDERING INFORMATION:

CAT. NO.	DESCRIPTION
SCUPCMC2590	SCUPC Connector
SCAPCMC2590	SCAPC Connector



**TEMPO**  
COMMUNICATIONS

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1.888.610.7664



[www.calcert.com](http://www.calcert.com)

[sales@calcert.com](mailto:sales@calcert.com)