

Qui-SC Field Installable Connector

Qui-SC is designed to provide an easy and quick termination of fiber in the field. It allows the installer make a fiber connection within less than 3 minutes at the outside plant, indoor telco room and FTTH information outlet.

Feature

- ◆ Factory-installed fiber stub
- ◆ No epoxy or polishing required
- ◆ Allows up to three re-termination
- ◆ Quick and easy fiber termination in the field
- ◆ Eliminates cable excessive length and pigtail splice storage
- ◆ Cost effective



Applications

- ◆ Patch panels
- ◆ Distribution frames
- ◆ Maintenance or emergency restoration of fiber networks
- ◆ FTTH Outlets
- ◆ Connection at the desk for LAN environments

Specifications

Characteristics	Values
Fiber Type	SM(9/125), MM(50/125,62.5/125)
Fiber cable Type	900um buffered fiber, 3mm Drop Cable, fiber-8 indoor cable
Insertion loss	Max. < 0.5dB, Ave < 0.3dB
Return loss	Min . 40dB (PC)

Performance

Item		Condition	Failure criteria to be checked	Average	Max/Min
Product Performance	Insertion Loss(IL)	Concatenation Method	Insertion Loss(IL)	< 0.3dB	< 0.5dB
	Return Loss(RL)	μm	Coupler with power source and meter	Return Loss(RL)	>40dB
Mechanical Tests	Vibration	3 axes 2hr/axis, 1.52mm(peak-peak), 10 to 55Hz(45Hz/min)	Changed in IL before and after test	< 0.2dB	< 0.5dB
	Pull	3N Load, 60sec	Changed in IL before and after test	< 0.2dB	< 0.5dB
	Impact	1 impact from 4meter(height)	Changed in IL before and after test	< 0.2dB	< 0.5dB
	Durability	100 repetition of connecting/disconnecting	Changed in IL before and after test	< 0.2dB	-

Environmental Tests	Temperature cycling	Lowest temperature: (-40+/-2) °C	Changed in IL during and after test	< 0.5dB	< 0.7dB
		Highest temperature: (+75+/-2) °C			
		Dwell time:1hr Transition time: 1hr Number of cycles: 21			
	Humidity Tests	4days at 40 +/-2°C RH 90-95%	RL during test		> 35dB
			Appearance before and after test	No defects	
			Changed in IL during and after test	< 0.5dB	< 0.6dB
Humidity Tests	4days at 40 +/-2°C RH 90-95%	RL during test		> 40dB	
		Appearance before and after test	No defects		

Tools

Don't need any epoxy, adhesives or costly curing ovens. With an assembly tool, the installer can quick finish the assembly and termination.

- ◆ Assembly Tool (Packed with the connector)
- ◆ Fiber stripper
- ◆ Fiber Cleaver
- ◆ Figure-8 indoor cable splitting tool (Only needed for fiber-8 indoor cable)
- ◆ Visual Fault Locator (Used to check the patchcord)
- ◆ Others: Isopropyl alcohol, cleaning tissue

