

## Qui-MS Mechanical Splice

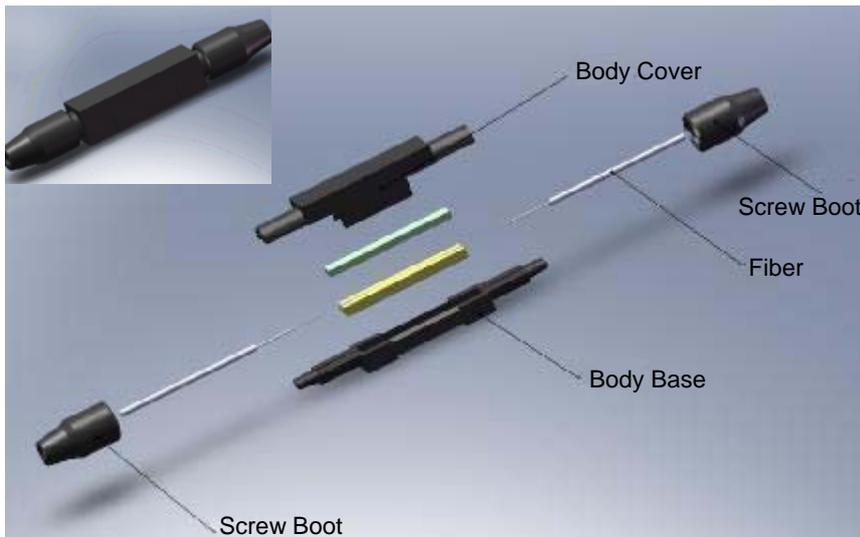
Qui-MS is introduced to provide an cost-effective solution for the fiber connection, no need of an expansive fusion splicer, this mechanical splice allows people, even not professional installer, to finish the fiber connection in just a few seconds.

### Feature

- ◆ Quick and easy fiber connection in the field
- ◆ Compact Size: 40(L) x 4(W) x 5.4(H) mm
- ◆ Reusable for many times
- ◆ Long service life
- ◆ Support both singlemode and multimode fiber cable

### 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, 250um bare fiber
Insertion loss	Max. < 0.5dB, Ave < 0.3dB (Typ. 0.1dB)
Return loss	Min . 45dB (PC)
Tension	4N
Operation Temperature	-40~+70°C

## 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)	>45dB
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	4N Load, 60sec	Changed in IL before and after test	< 0.2dB	< 0.5dB
	Impact	1 impact from 2meter(height)	Changed in IL before and after test	< 0.2dB	< 0.5dB
Environmental Tests	Temperature cycling	Lowest temperature: (-40+/-2)°C Highest temperature: (+70+/-2)°C Dwell time:1hr Transition time: 1hr Number of cycles: 21	Changed in IL during and after test	< 0.3dB	< 0.5dB
			RL during test		> 40dB
			Appearance before and after test	No defects	
	Humidity Tests	4days at 85 +/-2°C RH 85%	Changed in IL during and after test	< 0.3dB	< 0.5dB
			RL during test		> 40dB
			Appearance before and after test	No defects	

## Tools

With below tools, the installer can quickly finish fiber connection.

- ◆ Assembly Platform
- ◆ Fiber stripper
- ◆ Fiber Cleaver
- ◆ Visual Fault Locator (Used to check the patchcord)
- ◆ Others: Isopropyl alcohol, cleaning tissue

