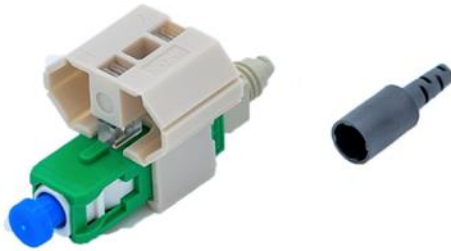


FAST™ Connector Series

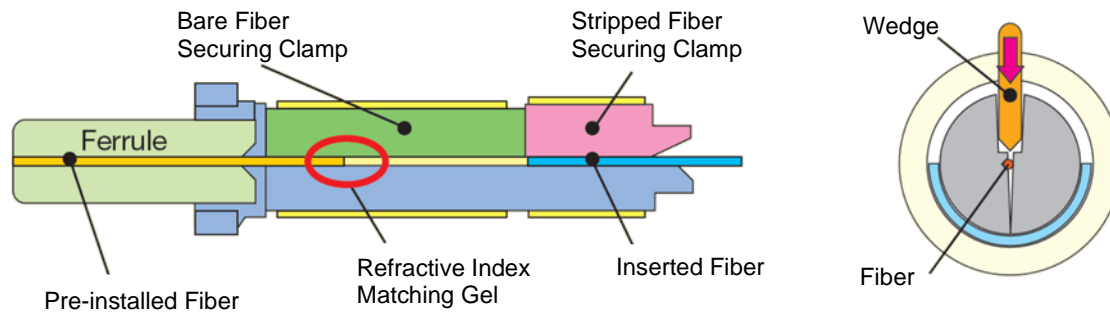


FAST connectors are factory pre-polished, field-installable connectors that eliminate the need for hand polishing in the field. Proven mechanical splice technology ensures precise fiber alignment, a factory pre-cleaved fiber stub, and a proprietary index-matching gel, all combined to offer an immediate low-loss termination for either single-mode or multimode optical fibers.

Features

- Easy field installation through a simplified process, without the need for electrical power, epoxy, or field polishing.
- FAST connectors are designed to accommodate 0.25 mm / 0.9 mm coated fiber, 2 mm / 3 mm cords, and rectangular-shaped outdoor/indoor cables.
- FAST connectors demonstrate high performance when combining SC/LC/ST connectors and mechanical splices.

Structure of Mechanical Splice

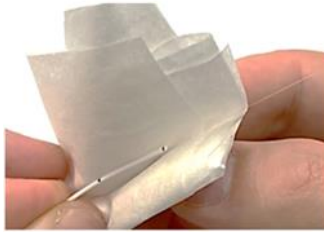


Polished optical fiber is pre-affixed at the tip of the connector and stripped fiber is cleaved, aligned and meets the pre-installed fiber, where connection is done via mechanical splice method.



Contact us

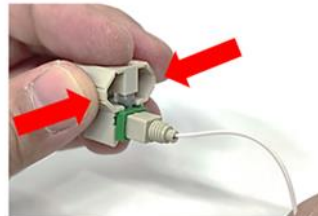
Assembly Flow of FAST Connector (0.25 / 0.9 mm Fiber Type)



1. Fiber preparation



2. Insert the cleaved fiber into the connector



3. Create a slight bend to maintain contact.
Release the wedge clip by squeezing both sides and remove the wedge clip.



4. Lastly, push the boot onto the connector's body

Specifications

1. 0.25 mm / 0.9 mm Fiber, 2 mm / 3 mm Cord

Applicable Fiber / Cord	0.25 mm fiber (240-265 μm), 0.9 mm fiber (850-950 μm), 2 mm cord (Ø 2, 0.9 mm fiber inside), 3 mm cord (Ø 3, 0.9 mm fiber inside)		
Connector	SC, LC, ST		
Fiber	SM		MM (OM1, OM2, OM3) (*1)
Polishing	SPC	APC	PC
Housing Color	Blue	Green	OM1: Beige, OM2: Black, OM3: Aqua
Insertion Loss (*2)	≤ 0.5 dB	≤ 0.6 dB	≤ 0.4 dB
Return Loss (*2)	≥ 40 dB	≥ 50 dB (*3)	-

2. Rectangular Shaped Cable (Outdoor / Indoor)

Applicable Fiber	Outdoor cable (3.1 x 2 mm), Indoor cable (2 x 1.6 mm) (*4)	
Connector	SC, LC (*5)	
Fiber	SM	
Polishing	SPC	APC
Housing Color	Blue	Green
Insertion Loss (*2)	≤ 0.5 dB	≤ 0.6 dB
Return Loss (*2)	≥ 40 dB	≥ 50 dB (*3)

*1. OM1: GI 62.5/125, IEC 60793-2-10 A1b, OM2: GI 50/125, IEC 60793-2-10 A1a.1, OM3: GI 50/125, IEC 60793-2-10 A1a.2

*2. with reference connector, SM @ 1310, 1550 nm, MM @ 850, 1310 nm

*3. Internal fiber is flat cleaved. Angle cleaved is available.

*4. For other cable types, please consult with us.

*5. Only indoor cable is available.

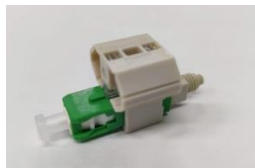


Contact us

Ordering Information

1. 0.25 mm / 0.9 mm Fiber, 2 mm / 3 mm cord:

Fiber	Polishing	SC	LC	ST
SM	SPC	FAST-SC-SM-ALL	FAST-LC-SM-ALL	FAST-ST-SM-ALL
	APC	FAST-SC-APC-SM-ALL	FAST-LC-APC-SM-ALL	-
MM (OM1)	PC	FAST-SC-GI6-ALL	FAST-LC-GI6-ALL	FAST-ST -GI6-ALL
MM (OM2)	PC	FAST-SC-GI5-ALL	FAST-LC-GI5-ALL	FAST-ST-GI5-ALL
MM (OM3)	PC	FAST-SC-10G-ALL	FAST-LC-10G-ALL	FAST-ST-10G-ALL



FAST-SC-APC-SM-ALL



0.9 mm Boot



0.9 mm Spacer Tube



2 mm Boot



3 mm Boot

2. Rectangular Shaped Cable (Outdoor / Indoor)

Fiber	Polishing	SC	LC (*6)	ST
SM	SPC	FAST(N)-SC-SM-UNI/GT (*E)	FAST-LC-SM-LF/GT	-
	APC	FAST(N)-SC-APC-SM-UNI/GT	FAST-LC-APC-SM-LF/GT	-

*6. Only indoor cable available

*E. FAST(N)-SC-SM-UNI/GT



Contact us