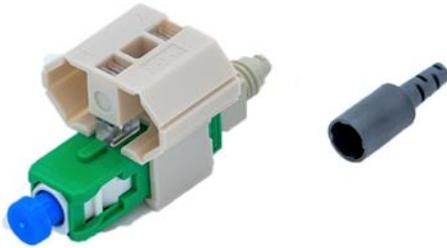


FAST™ Connector Series

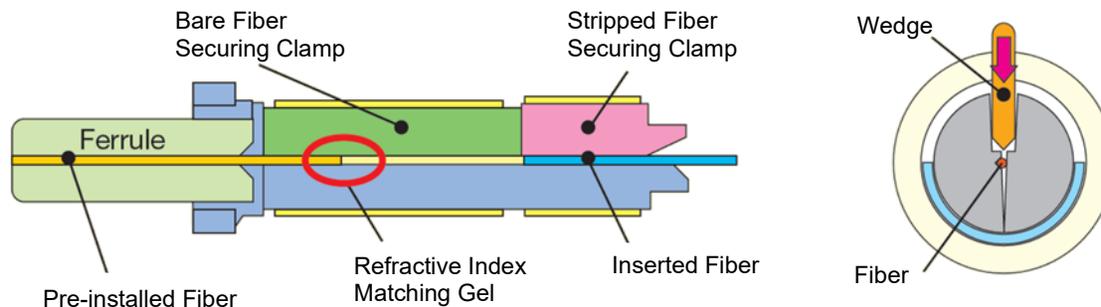


FAST connectors are factory pre-polished, field-installable connectors that eliminate the need for hand polishing in the field. Proven mechanical splice technology ensures precise fiber alignment, a factory pre-cleaved fiber stub, and a proprietary index-matching gel, all combined to offer an immediate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

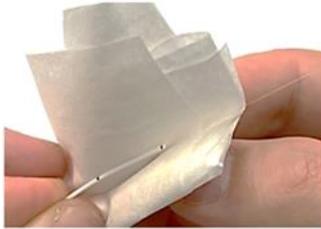


Polished optical fiber is pre-affixed at the tip of the connector and stripped fiber is cleaved, aligned and meets the pre-installed fiber, where connection is done via mechanical splice method.



Contact us

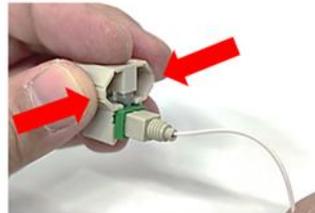
Assembly Flow of FAST Connector (0.25 / 0.9mm fiber type)



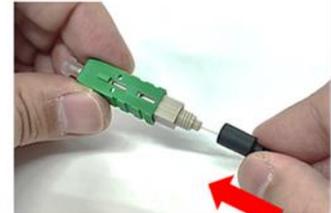
1.Fiber Preparation



2.Insert the cleaved fiber into the connector



3.Create a slight bend to maintain contact.



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

Release the wedge clip by squeezing both sides and remove the wedge clip.

Specifications

1. 0.25mm / 0.9mm fiber, 2mm / 3mm cord

Applicable Fiber / cord	0.25mm fiber (240 - 265 μ m), 0.9mm fiber (850 - 950 μ m), 2mm cord (Φ 2, 0.9mm fiber inside), 3mm cord (Φ 3, 0.9mm 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, IEC60793-2-10A1b, OM2 : GI 50/125, IEC60793-2-10A1a.1, OM3 : GI 50/125, IEC60793-2-10A1a.2

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

*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. 0.25mm / 0.9mm fiber , 2mm / 3 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



0.9mm boot



0.9mm spacer tube



2mm boot



3mm 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