

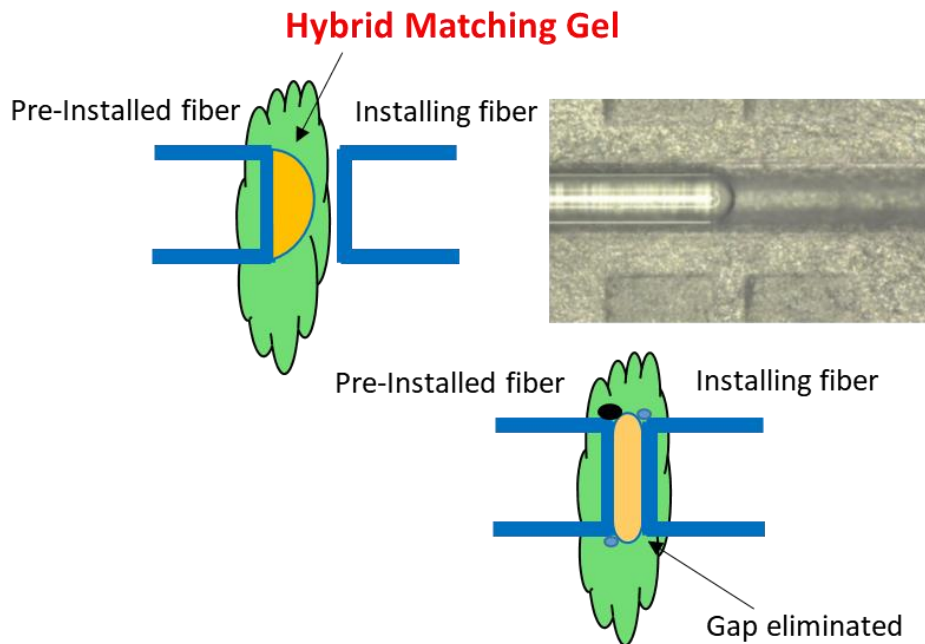
FAST™-Plus Connector

FAST™-PLUS Connector is a factory pre-polished, Next Gen field-installable connector that adopted Hybrid Matching Gel, Maintenance Free Cleaver and has high reliability and long-term performance stability.

Features:

- Easy-Field-Installation by simplified process, no e-power, no epoxy and no polishing in field.
- Hybrid Matching Gel with high reliability and long term performance stability for connection.
: A field installable connector using a combination of 2 different index matching materials, a solid agent and a liquid agent, at the connection point to achieve.
- **HIGH RELIABILITY** : Accommodates higher than usual gap/uneven fiber end-face condition that may occurs from opposite end face angles.
- **LONG TERM PERFORMANCE STABILITY** : Restricts the movement of air bubble/contamination that may exists during termination.
- **MAINTENANCE FREE CLEAVER** is included with most attractive package in the history of Fujikura's FAST Connectors.
- Universal design that supports 0.25mm fiber, 0.9mm fiber, 2mm code and 3mm cord as 1 product.

Hybrid Matching Gel



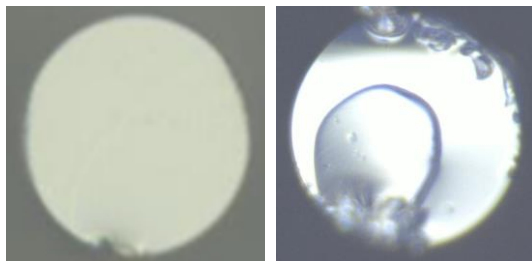
With a certain probability, unstable IL and RL may be caused by moving air bubbles or contamination during connection. To restrict the movement of air bubble and/or contamination within the liquid matching agent, **Hybrid Matching Gel** was introduced to ELIMINATE GAP between the connection point.

Maintenance Free Cleaver

Angle Maintenance Free Cleaver



Fiber end face



Good cleave

Bad cleave

- Comes with one for every 100pcs of FAST-PLUS Connector.
- Angle cut cleaver (AMFC : Angle Maintenance Free Cleaver) or Flat cut cleaver (MFC : Maintenance Free Cleaver) is attached on product.
- ENFORCES a good cleave even till end of life.
- GOOD END FACE is achieved with every cleave by constant pulling force controls by the mechanism and special blade structure.
- FIRST in the world to design and develop an ANGLED MAINTENANCE FREE CLEAVER.
- From it's name which means NO maintenance is required unlike conventional cleaver.
- It is needed to ensure all cleaves are good in field assembly technique without the presence of Fusion Splicer. Maintenance Free Cleaver is the solution.
- Conventional cleaver produces bad end face without maintenance; MFC makes every cleave a good cleave.

Specifications

Applicable fiber/cable	0.25mm fiber (240~265μm), 0.9mm fiber (850~950μm), 2mm code, 3mm code					
Connector	SC, LC					
Fiber	SM *1,*2		MM(OM1)*3	MM(OM2)*4	MM(OM3)*5	MM(OM4)*6
Polishing	UPC	APC	PC			
Housing color	Blue	Green	Beige	Black	Aqua	Aqua
Insertion loss*7	≤0.5 dB	≤0.6 dB	≤0.4 dB			
Return loss	≥45 dB (Typical 50dB)	≥60 dB (Typical 65dB)	-			

*1 : SM(R15), ITU-T G. 625D, ITU-T G.657.A1, *2 : SM(R7.5, ITU-T G. 625D, ITU-T G.657.A2) type is available

*3 : GI62.5/125, IEC60793-2-10A1b, *4 : GI50/125, IEC60793-2-10A1a.1, *5 : GI50/125, IEC60793-2-10A1a.2,

*6 : GI50/125, IEC60793-2-10A1a.3, *7 : with master, SM@1310, 1550nm, MM@850, 1310nm

Ordering Information

Fiber	Polishing	SC*8	LC*8
SM	UPC	FAST-SC-PLUS-UPC-A1-ALL	FAST-LC-PLUS-UPC-A1-ALL
	APC	FAST-SC-PLUS-APC-A1-ALL	FAST-LC-PLUS-APC-A1-ALL
MM(OM1)	PC	FAST-SC-PLUS-GI6-ALL	FAST-LC-PLUS-GI6-ALL
MM(OM2)	PC	FAST-SC-PLUS-GI5-ALL	FAST-LC-PLUS-GI5-ALL
MM(OM3)	PC	FAST-SC-PLUS-10G-ALL	FAST-LC-PLUS-10G-ALL
MM(OM4)	PC	FAST-SC-PLUS-OM4-ALL	FAST-LC-PLUS-OM4-ALL

*8 : FAST-xx-PLUS-xx-ALL : ALL is Compatible model with All types of Applicable fiber/cable as described.
Some limited models are available.