



## FASTConnect® Field Installable Connector

Fujikura's range of FASTConnect® Field Installable Connectors allow you to terminate a fibre in less than a minute. The FASTConnect® is a pre-polished connector which uses mechanical clamping and aligning of a cleaved fibre end which is inserted into the connector body.

The FASTConnect® Connectors are available in both singlemode and multi-mode (OM1 and OM3/OM4 10 Gig optimised) in a variety of connector types, and can be terminated onto 250µm and 900µm coated fibre as well as 2 mm and 3 mm jacketed cord. Drop cable FASTConnect® option is also available.

All FASTConnect® Field Installable Connectors only need basic fibre preparation tooling and a fibre cleaver. An additional handling jig can be used to terminate onto 2mm/3mm jacketed cord.

### Features

- Field installable
- Fast and easy to terminate – less than a minute to complete
- Excellent insertion and return loss performance
- Reusable
- No termination enclosure required
- Handles and performs like a factory-terminated connector
- No polishing, epoxies or glues

### Applications

- Direct termination of fibre
- FTTx networks (FTTH, FTTD)
- Enterprise/Access networks
- LAN/WAN
- Permanent / Temporary replacement/ repairs
- Pre-installation cable drum testing

### Connector Specifications

Insertion Loss	Single-mode - UPC Single-mode - APC Multimode - PC	Average: 0.2 dB, Maximum: 0.5 dB Average: 0.3 dB, Maximum: 0.6 dB Average: 0.1 dB, Maximum: 0.5 dB
Return Loss @ Room Temperature	Single-mode - UPC Single-mode - APC Multimode	Average: -50 dB, Maximum: -45 dB Average: -55 dB, Maximum: -50 dB Average: -25 dB, Maximum: -20 dB
Operating Temperature		-40°C to +75°C

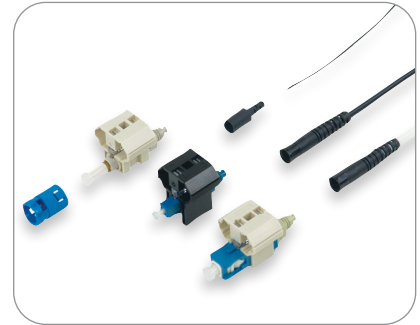
### Technical Specifications

Twist Test Condition	2N load, +540°C to -540°C/ cycle, 9 cycles in a test
Pull Test Condition	3N load, 60 sec
Impact Test Condition	At 1.5 m, 10 repetitions
Durability Test Condition 2	00 repetition of connecting/disconnecting
Vibrate Test Condition 3	2hr/axis, 1.5 mm (peak-peak), 10 to 55Hz (45Hz/min)
Thermal Aging Condition	+85°C±2°C, 168 hours
Humidity Test Condition	90 to 95% RH, Temp 75°C for 168 hours
Thermal Cycle Condition	-40 to 75°C, 21 cycles for 168 hours (0.25 mm fibre)

## Product Matrix

	SINGLEMODE			OM1		OM3	
	250/900µm	2/3mm	DR/LF	250/900µm	2/3mm	250/900µm	2/3mm
SC	✓	✓	✓	✓	✓	✓	✓
SCA	✓	✓	✓	—	—	—	—
LC	✓	✓	—	✓	✓	✓	✓
LCA	✓	✓	—	—	—	—	—
ST	✓	✓	—	✓	✓	✓	✓

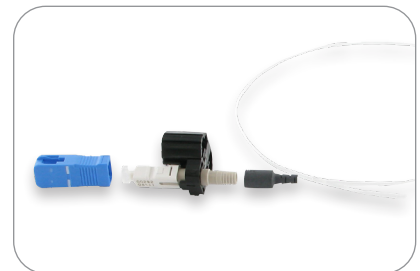
✓ = Available  
— = Not Available



## Ordering Information

FAST	—	<b>XX</b>	<b>Y</b>	—	<b>ZZ</b>
		<b>Connector Type</b>	<b>Fibre Type</b>		<b>Cord Type</b>
		SC	1 = OS1		250/900 = 250 µm or 900 µm
		SCA	3 = OM3 (optimised 50 µm for 10 Gig)		2/3 = 2 mm or 3 mm
		LC	6 = OM1		DR = Drop Cable*
		ST			LF = Low Friction*
		LCA			

\* DR and LF only available in SC or SCA connector type.



## Tools For 2/3mm Connector Types

- FAST-TOOL-LC
- FAST-TOOL-SC
- FAST-TOOL-ST

Tool kits come with assembly tool and clamps to suit 2 mm and 3 mm cord.

## Related Products

- AFL FASTConnect® Termination Tool Kits
- AFL Cleaning Products
- Fujikura Cleavers
- Visual Fault Locators

