FASTConnect™ Field-Installable Connectors

FASTConnect are factory pre-polished, field-installable connectors that completely eliminate the need for hand polishing in the field. Proven mechanical splice technology ensuring precision fiber alignment, a factory pre-cleaved fiber stub and a proprietary index-matching gel combine to offer an immediate low loss termination to either single-mode or multimode optical fibers. FAST Connectors are compatible with 250 µm and 900 µm optical fibers, as well as 900 µm, 2 mm and 3 mm cordage. All primary fiber types are supported, and each connector is color coded per industry standard requirements to aide in identification during and after installation. A factory-installed wedge clip (included with each connector) is removed and discarded upon completion of the termination. Incorporated into this device is an innovative, translucent wedge enabling the use of a common VFI to provide a "pass/fail" signal once physical contact is achieved.

Features

- No Epoxy, No Polish
- Low Insertion Loss
- Fiber Can Be Reinserted up to Three Times
- 3.0 mm, 2.0 mm and 900 µm Cordage Compatibility
- VFI Accessory to Confirm Proper Installation

Applications

- Premise/Enterprise Networks
- LAN/WAN Connections
- Patch Panels
- Equipment Termination
- FTTx Applications
- Field Repair/Replacement
- Equipment Test Leads

Specifications

PARAMETER		VALUE
Insertion Loss:	Singlemode - UPC	Average: 0.2 dB, Maximum: 0.5 dB
	Singlemode - APC	Average: 0.3 dB, Maximum: 0.6 dB
	Multimode - PC	Average: 0.1 dB, Maximum: 0.5 dB
Return Loss at Room Temperature:	Singlemode - UPC	Average: -55 dB, Maximum: -45 dB
	Singlemode - APC-AU*	Average: -55 dB, Maximum: -50 dB
	Singlemode - APC-AA**	Average: -65 dB, Maximum: -60 dB
	Multimode	Average: -25 dB, Maximum: -20 dB
Operating Temperature		-40°C to +75°C

*Angle/Flat Cleaves
**Angle/Angle Cleaves

TIA/EIA-568-C.3 Compliant
TIA/EIA-604 (FOCIS) Compliant

Ordering Information

FIBER TYPE	HOUSING COLOR	CABLE SIZE	AFL NO. PACKAGE OF 6	PACKAGE OF 100
FASTCONNECT SC				
Multimode 62.5/125 µm, OM1	Beige	900 µm	FAST-SC-MM62.5-6	FAST-SC-MM62.5-100
Multimode 50/125 µm, OM2	Black		FAST-SC-MM50-6	FAST-SC-MM50-100
Multimode 50/125 µm, OM3/OM4 compatible	Aqua		FAST-SC-MM50L-6	FAST-SC-MM50L-100
Single-mode, UPC	Blue		FAST-SC-SM-6	FAST-SC-SM-100
Single-mode, APC-AU	Green		FAST-SC-SMAU-6	FAST-SC-SMAU-100
Single-mode, APC-AA	Green		FAST-SC-SMAA-6*	FAST-SC-SMAA-100*
FASTCONNECT ST				
Multimode 62.5/125 µm, OM1	Beige	900 µm	FAST-ST-MM62.5-6	FAST-ST-MM62.5-100
Multimode 50/125 µm, OM2	Black		FAST-ST-MM50-6	FAST-ST-MM50-100
Multimode 50/125 µm, OM3/OM4 compatible	Aqua		FAST-ST-MM50L-6	FAST-ST-MM50L-100
Single-mode, UPC	Blue		FAST-ST-SM-6	FAST-ST-SM-100
FASTCONNECT LC				
Multimode 62.5/125 µm, OM1	Beige	900 µm	FAST-LC-MM62.5-6	FAST-LC-MM62.5-100
Multimode 50/125 µm, OM2	Black		FAST-LC-MM50-6	FAST-LC-MM50-100
Multimode 50/125 µm, OM3/OM4 compatible	Aqua		FAST-LC-MM50L-6	FAST-LC-MM50L-100
Single-mode, UPC	Blue		FAST-LC-SM-6	FAST-LC-SM-100

Requires FAST APC Tool Kit for installation

U.S. Patents: 5,963,699 / 5,984,532 / 6,179,482 / 7,003,208 / 7,258,496

FASTConnect

Accessories

DESCRIPTION			AFL NO.	AFL NO.
BOOT KITS FOR 2MM AND 3MM CORDAGE	COLOR	CABLE SIZE	PACK OF 6	PACK OF 100
2 mm Boot Kit, SC/LC/ST	Black	2 mm	FAST-BOOT-2MM-6	FAST-BOOT-2MM-100
3 mm Boot Kit, SC/LC/ST	Black	3 mm	FAST-BOOT-3MM-6	FAST-BOOT-3MM-100
DUPLEX CLIPS				
LC Duplex Clip (LC only)	Transparent		CS010437-06	CS010437-100

TOOL KITS		AFL NO.
FAST UPC Tool Kit	For all UPC style connectors and SC/ APC-AU (CT-30A Cleaver)	CS001201
FAST UPC Tool Kit	For all UPC style connectors and SC/APC-AU (CT-05A Cleaver)	CS010975
FAST APC Tool Kit	For SC/APC-AA connectors (CT-11A Cleaver)	CS012290

VISUAL FAULT IDENTIFIERS	AFL NO.
AFL NOYES® VFI 2	VFI2-00-0900
AFL NOYES HiLite	VFI3-00-0900
1.25 mm Universal Adapter (LC Connectors)	2900-50-0010MR

Testing

Before Fiber Insertion

After Fiber Insertion