

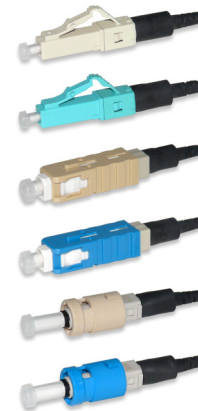
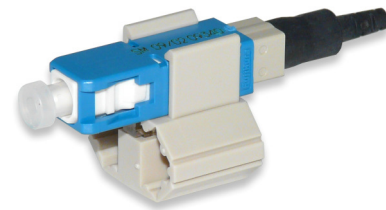
Field-Installable Pre-Polished Optical Fiber Connectors

Signamax field-installable pre-polished connectors allow reducing installation time significantly owing to the absence of need to use adhesives and polishing. This unique feature makes possible to eliminate field termination errors and to provide equal quality of connection performed by an experienced installer and apprentice.

Available in multimode (62.5- μ m (OM1), 50- μ m (OM2), 50- μ m laser-optimized (LO) (OM3/OM4), and singlemode ST, SC, and LC versions, field-installable connectors feature a polished ferrule with a factory-installed fiber stub, which splices in the field to distribution cable fibers using an integrated alignment mechanism and index-matching gel. The alignment mechanism is activated with the help of a termination clip, which is supplied with each connector; after successful termination, the clip is removed. Field-installable connectors are designed to terminate 250- and 900- μ m buffered fibers, and 2- and 3-mm jacketed fibers.

KEY FEATURES

- Field installation procedures minimized and simplified – pre-polished ferrule with a factory-installed fiber stub, integrated alignment mechanism and index-matching gel
- Available in the following versions:
 - 62.5- μ m multimode (OM1)
 - 50- μ m multimode (OM2)
 - 50- μ m laser-optimized (LO) multimode (OM3/OM4)
 - singlemode
- ST, SC, and LC simplex connectors
- Termination clip and detailed installation instructions are supplied with each connector;
- Designed to terminate 250- and 900- μ m buffered fibers, 2- and 3-mm jacketed fibers.
- Plastic body color-coding per ANSI/TIA-598-C.3
- Slim-profile boots with durable flexible cable strain relief



ORDERING INFORMATION

ST Pre-Polished Optical Fiber Connectors

Part Number	Fiber Type	Housing Color	Cable/Fiber Size
FPC-ST06	62.5- μ m MM (OM1)	Beige	250 μ m, 900 μ m
FPC-ST05	50- μ m MM (OM2)	Black	250 μ m, 900 μ m
FPC-ST51	50- μ m MM LO (OM3/OM4)	Aqua	250 μ m, 900 μ m
FPC-ST09	SM	Blue	250 μ m, 900 μ m

SC Pre-Polished Optical Fiber Connectors

Part Number	Fiber Type	Housing Color	Cable/Fiber Size
FPC-SC06	62.5- μ m MM (OM1)	Beige	250 μ m, 900 μ m, 2 mm, 3 mm
FPC-SC05	50- μ m MM (OM2)	Black	250 μ m, 900 μ m, 2 mm, 3 mm
FPC-SC51	50- μ m MM LO (OM3/OM4)	Aqua	250 μ m, 900 μ m, 2 mm, 3 mm
FPC-SC09	SM	Blue	250 μ m, 900 μ m, 2 mm, 3 mm

LC Pre-Polished Optical Fiber Connectors

Part Number	Fiber Type	Housing Color	Cable/Fiber Size
FPC-LC06	62.5- μ m MM (OM1)	Beige	250 μ m, 900 μ m, 2 mm, 3 mm
FPC-LC05	50- μ m MM (OM2)	Black	250 μ m, 900 μ m, 2 mm, 3 mm
FPC-LC51	50- μ m MM LO (OM3/OM4)	Aqua	250 μ m, 900 μ m, 2 mm, 3 mm
FPC-LC09	SM	Blue	250 μ m, 900 μ m, 2 mm, 3 mm

Field-Installable Pre-Polished Optical Fiber Connectors

SPECIFICATIONS

- TRANSMISSION PERFORMANCE**

ANSI/TIA/EIA-568-C.3: insertion and return loss (100% tested)

- TRANSMISSION MEDIA**

Optical fiber: 62.5/125-µm multimode (OM1)
50/125-µm multimode (OM2)
50/125-µm laser-optimized (LO) multimode (OM3/OM4)
8-10/125-µm singlemode (OM1/OM2)

- CONNECTOR TYPES**

Connector type: ST, SC, LC simplex, multimode, PC
ST, SC, LC simplex, singlemode, UPC
FOCIS (ANSI/TIA/EIA-604) compliant

- CONSTRUCTION**

Body: thermoplastic
Ferrule: ceramic- thermoplastic strain relief
Strain relief boot: thermoplastic

- TRANSMISSION PERFORMANCE**

Return loss:	MM	maximum	30 dB	@ 20 °C (68 °F)
		typical	56 dB	@ 20 °C (68 °F)
		maximum	45 dB	@ 20 °C (68 °F)
Insertion loss:	MM:	typical	0.1 dB	
		maximum	0.5 dB	
	SM:	typical	0.2 dB	
		maximum	0.5 dB	

- ENVIRONMENTAL**

Operation temperature: -40 °C to +75 °C (-40 °F to +167 °F)
Humidity: 95 % RH (non-condensing)

- COMPLIANCE**

ANSI/TIA-568-C.3, ISO/IEC 11801 2nd Ed., CENELEC EN 50173, UL94V-0

- APPLICATIONS**

FDDI PMD ANSI X3.166	10BASE-SX	100BASE-SX	1000BASE-SX	10GBASE-S	Fibre Channel 100-MX-SN-I
		100BASE-FX	1000BASE-LX	10GBASE-LX4	Fibre Channel 200-MX-SN-I
				10GBASE-LRM	Fibre Channel 400-MX-SN-1
					Fibre Channel 1200-MX-SN-1

- WARRANTY**

5-year limited component warranty
10-year Signamax Link/Channel Warranty
15-year Signamax Extended Component Warranty
25-year Signamax Cabling System Warranty



SPECIFICATIONS