



Fiber Optic Interconnect Technologies, Inc.™

Single Mode Products

FEATURES AND SPECIFICATIONS

Molex Fiber Optics manufactures a full line of high performance single mode connectors designed to meet the toughest performance demands for the Telecommunications and CATV markets. These connectors and adapters are designed using the latest engineered polymeric and ceramic material technologies and are Bellcore TR 326 III compliant. Combining unique termination features, the connectors can be easily terminated in the field or factory using Molex's termination tool kits.

Note: The connectors listed in this section represent a partial listing of all single mode products available. For a complete listing of single mode fiber optic connectors and adapters please contact Molex Fiber Optics at (708) 512-8787.

FC/PC CONNECTOR

- 1-piece body design
- Low return loss 48 dB typical (Super PC) for 9/125μm fiber
- Prepolished Zirconia PC ferrule
- Compatible with NTT-FC hardware
- For 3mm cable or 900μm buffered fiber
- Meets Bellcore TR 326 Issue III specifications

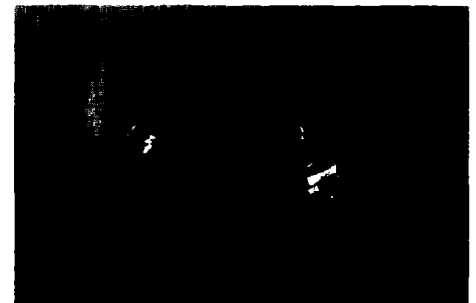
Order No.	Type	Description
86057M5000	FC/PC	126μm SM, Zirconia PC ferrule, 3mm cable
86057M7000	FC/PC	127μm SM, Zirconia PC ferrule, 3mm cable
86057M5500	FC/PC	126μm SM, Zirconia PC ferrule, 900μm buffered fiber
86057M7500	FC/PC	127μm SM, Zirconia PC ferrule, 900μm buffered fiber



FC/PC AND FC/APC ADAPTER

- Zirconia or Phosphorous Bronze alignment sleeves
- Square mounting flange or "D" hole mounting flange
- FC/APC adapter with square mounting flange

Order No.	Type	Description
86152-0000	FC adapter	Zirconia sleeve, square mounting flange
86152-1000	FC adapter	Zirconia sleeve, "D" hole mount
86156-1000	FC adapter	Bronze sleeve, "D" hole mount
86152E0000	FC/APC adapter	Zirconia sleeve, square mounting flange



FC/APC (ANGLED PHYSICAL CONTACT) CONNECTOR

- 1-piece body design
- Low return loss 70 dB (APC) for 9/125μm fiber
- Standard key connectors are compatible with JIS standard
- Tight-fit key connectors are compatible with Alcoa Fujikura and Seikoh Giken
- True compatibility with all APC-type connector hardware
- For 3mm cable or 900μm buffered fiber

Order No.	Type	Description
86055D5000	FC/APC	126μm SM, standard key, 3mm cable
86055E5000	FC/APC	126μm SM, tight-fit key, 3mm cable
86055D5500	FC/APC	126μm SM, standard key, 900μm buffered fiber
86055E5500	FC/APC	126μm SM, tight-fit key, 900μm buffered fiber



SC CONNECTOR

- 1-piece body design
- Low return loss 48 dB typical (Super PC) for 9/125μm fiber
- Prepolished Zirconia PC ferrule
- Compatible with NTT-SC standard
- For 3mm cable or 900μm buffered fiber
- SC housing available in red, black or blue
- Meets Bellcore TR 326 Issue III specifications

Order No.	Type	Description
86061M5000	SC	126μm SM, Zirconia PC ferrule, 3mm cable
86061M7000	SC	127μm SM, Zirconia PC ferrule, 3mm cable
86061M5500	SC	126μm SM, Zirconia PC ferrule, 900μm buffered cable
86061M7500	SC	127μm SM, Zirconia PC ferrule, 900μm buffered cable

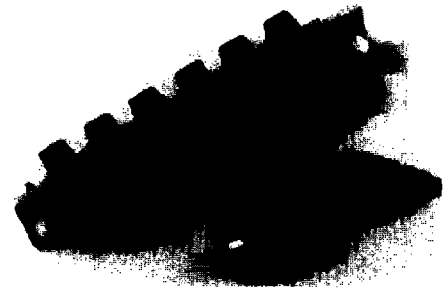


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SC ADAPTER

- Gang mountable
- Push-pull coupling
- Phosphorous Bronze or Zirconia alignment sleeves
- SC 6-pack panel adapter
- SC adapters with small flange available with red or black housing

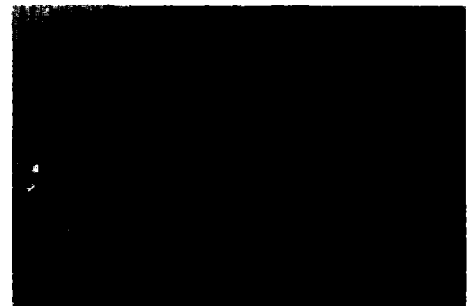
Order No.	Type	Description
86160-0000	SC adapter	Phosphorous Bronze sleeve, polymeric body
86161-0000	SC adapter	Zirconia sleeve, polymeric body
86800-6600	SC "6-pack" panel with adapters	Zirconia sleeves
86170-0100	SC adapter	Small flange, Zirconia sleeves, polymeric body



SC/APC (ANGLED PHYSICAL CONTACT) CONNECTOR

- 1-piece body design
- Low return loss 70 dB (APC) for 9/125μm fiber
- Industry standard SC connectors
- True compatibility with all APC-type connector hardware
- For 3.0 and 2.4mm cable or 900μm buffered fiber

Order No.	Type	Description
86065D5000	SC/APC	126μm SM, Zirconia PC ferrule, 3.0mm cable
86065D5300	SC/APC	126μm SM, Zirconia PC ferrule, 2.4mm cable
86065D5500	SC/APC	126μm SM, Zirconia PC ferrule, 900μm buffered fiber



STII*-COMPATIBLE CONNECTOR

- Low return loss 45 dB typical (Super PC) for 9/125μm fiber
- Non-Optical Disconnect design (N.O.D.)
- For 3mm cable or 900μm buffered fiber
- Meets Bellcore TR 326 Issue III specifications

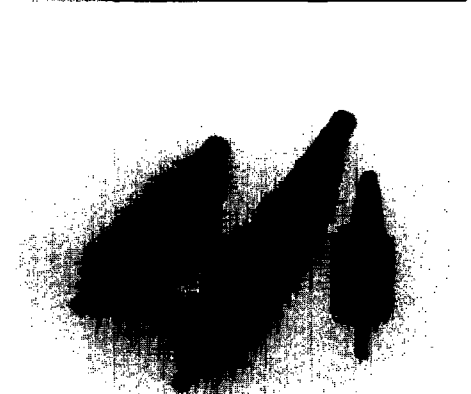
Order No.	Type	Description
86013-5000	STII	126μm SM, Zirconia PC ferrule, N.O.D., 3mm cable
86013-5100	STII	126μm SM, Zirconia PC ferrule, 3mm cable
86013-5500	STII	126μm SM, Zirconia PC ferrule, 900μm buffered fiber



ST*-COMPATIBLE CONNECTOR

- Low return loss 45 dB typical (Super PC) for 9/125μm fiber
- Metal coupling nut
- Prepolished Zirconia PC ferrule
- Long boot, short boot crimp or 900μm buffered fiber boot

Order No.	Type	Description
86012-5000	ST	126μm SM, Zirconia PC ferrule, metal nut, long boot
86012-5200	ST	126μm SM, Zirconia PC ferrule, metal nut, short boot crimp
86012-5500	ST	126μm SM, Zirconia PC ferrule, metal nut, 900μm buffered fiber boot



* ST and STII are registered trademarks of AT&T



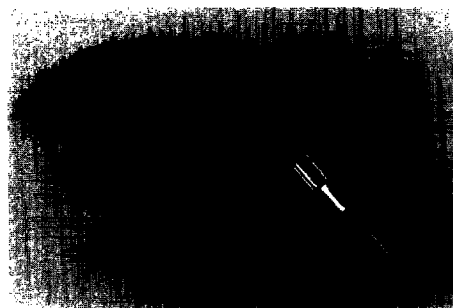
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ST*-COMPATIBLE CONNECTOR, 90° BOOT

- Low return loss 45 dB typical for 9/125 μ m fiber
- Metal coupling nut
- Prepolished Zirconia PC ferrule
- 90° boot is ideal for small or controlled-bend radius applications where space is limited

Order No.	Type	Description
86012-5400	ST	126 μ m SM, Zirconia PC ferrule, metal nut, 3mm cable, 90° boot
86012-7400	ST	127 μ m SM, Zirconia PC ferrule, metal nut, 3mm cable, 90° boot



ST-COMPATIBLE ADAPTER

- Metal or polymeric housing
- Zirconia alignment sleeve
- ST/FC adapter

Order No.	Type	Description
86110-0000	ST adapter	Zirconia sleeve, polymeric housing
86110-1000	ST adapter	Zirconia sleeve, metal housing
86172-0000	ST to FC adapter	Zirconia sleeve

