

Epoxy and Polish Connectors

Siecor's epoxy and polish product line includes a full line of single-mode and multimode epoxy and polish connectors for factory installation. We offer a wide range of connector styles, hardware, and boot options. Preradiused and angled ferrules are also available.

Siecor's new composite multimode ferrule offers excellent performance at a very low price. The redesigned ferrule allows easier fiber entry. It has the lowest material cost available. The standard multimode zirconia ceramic ferrule has a radiused end-face to allow physical contact (PC) polishing.

The hardware on the ST® compatible connector is available in either composite thermoplastic or metal. Both feature a closed keyway design allowing the connector to far exceed performance specifications for tensile strength. The SC connector features a beige shroud that is duplexable with a simple clip. The FC and SC connectors have non-optical disconnect features. The FC is pre-assembled for easy installation.

For Super or Ultra PC, the single-mode zirconia ceramic ferrule has a radiused end-face to allow physical contact (PC) polishing. A consumables kit and procedure are available for hand-polishing to a Super PC finish, yielding a reflectance of -40 dB typical. Ultra PC (-55 dB) may be achieved by using our automatic polisher, the SP500. For angled PC, the FC and SC are available. The ferrule is pre-angled and must be polished with Siecor's SP500 automatic polisher. Typical reflectance of -65 dB typical is achievable with this process.

APPLICATIONS

- Building wiring applications
- Ideal for connector assembly house applications in patch cord manufacturing
- Mass terminations when material cost is the main consideration
- Applications requiring low connector reflectance

- Bulk packaging for quicker assembly
- Angled PC available in FC and SC
- Pre-radiused zirconia ceramic ferrule with Super PC polishing available; Ultra PC available with automatic polisher
- Industry-leading multimode composite ferrule provides low cost with performance equal to ceramic
- Metallic and composite ST compatible hardware features robust closed keyway design



FEATURES AND BENEFITS

- Connectors are pre-assembled for reduced installation time
- New one-step crimp ring with jacket retention
- Boot size and color options
- Automatic polisher available
- SC meets EIA/TIA-568A standard and is duplexable
- FC meets JIS specification and has non-optical disconnect feature

LANscape®

Epoxy and Polish Connectors

SPECIFICATIONS

PARAMETER	SINGLE-MODE	MULTIMODE
INTERCONNECTION COMPATIBILITY	All ST® compatible and SC connectors	
INSERTION LOSS (TYPICAL)	0.2 dB	Composite ferrule: 0.2 dB Standard ceramic ferrule: 0.2 dB
REFLECTANCE	< -30 dB for PC < -40 dB for Super PC < -55 dB for Ultra PC < -65 dB for Angled PC	N/A N/A N/A N/A
DURABILITY	≤ 0.2 dB change, 1000 rematings, FOTP-21	
TENSILE STRENGTH	≤ 0.2 dB change, 20 lb, FOTP-6	
TEMPERATURE CYCLING	-40 to +75 °C, 21 cycles, < 0.3 dB change	
MATERIAL	Ferrule: Composite or Preradiused zirconia; Housing: Composite or Metal	
Note: SC connector is not available with metal housing.		

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MULTIMODE CONNECTORS	
95-100-02-BPxy*	ST® Compatible Multimode Connector with composite ferrule and composite hardware; bulk packaged in quantities of 100
95-100-03-BPxy*	SC Multimode Connector with composite ferrule and composite hardware; bulk packaged in quantities of 100; duplexable
95-130-44-BPxy*	ST Compatible Multimode Connector with standard zirconia ceramic ferrule and composite hardware; bulk packaged in quantities of 100
95-131-44-BPxy*	ST Compatible Multimode Connector with standard zirconia ceramic ferrule and metal hardware; bulk packaged in quantities of 100
95-100-48-BPxy*	SC Multimode Connector with standard zirconia ceramic ferrule and composite hardware; bulk packaged in quantities of 100; duplexable
95-400-03-BP	SC Duplex Clip; bulk packaged in quantities of 100
SINGLE-MODE CONNECTORS	
95-200-06-BPxy*	ST Compatible Single-mode Connector with ceramic ferrule and composite hardware; bulk packaged in quantities of 100
95-201-06-BPxy*	ST Compatible Single-mode Connector with ceramic ferrule and metal hardware; bulk packaged in quantities of 100
95-200-10-BPxy*	FC Single-mode Connector with ceramic ferrule and metal hardware; bulk packaged in quantities of 100
95-210-10-BPxy*	FC APC Single-mode Connector with pre-angled ceramic ferrule and metal hardware; bulk packaged in quantities of 100; must be polished with SP500 polisher
95-200-08-BPxy*	SC Single-mode Connector with ceramic ferrule and blue shroud; bulk packaged in quantities of 100
95-210-08-BPxy*	SC APC Single-mode Connector with pre-angled ceramic ferrule and green shroud; bulk packaged in quantities of 100; must be polished with SP500 polisher

*Boot size and color are offered as options:

x = Size	y = Color		
9 = 900 µm boot only	B = black	N = navy blue	G = green
3 = 3 mm boot only	R = red	W = white	Y = yellow

ACCESSORIES

PART NUMBER	DESCRIPTION
TKT-025	Termination Kit for Siecor multimode and single-mode heat-cured connectors; includes installation tools for ceramic or composite connectors and consumables for up to 200 ceramic connectors; supplemental consumables must be added for composite termination (TKT-025-CA) ; see page 3.25 for list of contents
TKT-025-CA	Supplemental Consumables to terminate all-composite connectors; must be added to TKT-025 for initial installation
TKT-025-C	Ceramic Consumables Kit for TKT-025; will terminate up to 200 connectors
TKT-025-C1	Composite Consumables Kit for TKT-025; will terminate up to 200 connectors
TKT-025-SPC	Super PC Polishing Consumables Kit for single-mode connectors
3201014-01	Jacket Retention Crimp Tool for ST compatible and SC connectors
SP500	Automatic Polisher; polishes up to 12 connectors simultaneously

ADDITIONAL SIECOR LITERATURE: CCA-104 • CCA-122 • CCA-26