Epoxy and Polish Fiber Optic Connectors

ST® Compatible, FC, and SC Single-Mode Ceramic, Preradiused and Angled Ferrules, Bulk Packaged for Factory Installation

Description

Corning Cable Systems' epoxy and polish product line includes a full line of single-mode 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.
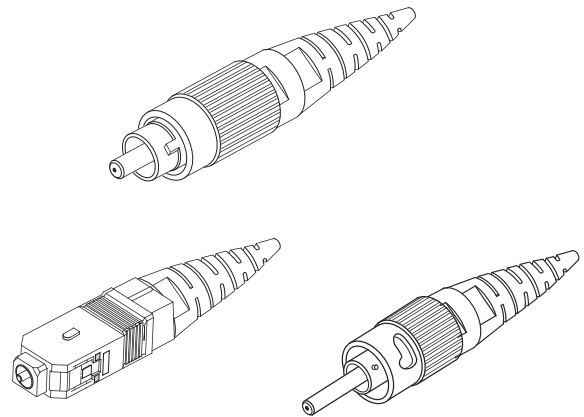
The SC connector is designed to meet the TIA/EIA-568A standard and features a blue shroud that is duplexable with a simple clip.

The FC connector conforms to the JIS C-5970 standard and has a non-optical disconnect feature. In addition, it 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 is 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 Corning Cable Systems' SP500 automatic polisher. Return loss of -65 dB typical is achievable with this process.

Our connectors have an added feature – a jacket retention crimp ring. A one-step crimp on the aramid yarn crimp ring captures a portion of the jacket as well as provides for a more aesthetically pleasing look to the assembly. Choices for boot size and color also allow custom assemblies for product differentiation.

Epoxy and Polish ST® Compatible, FC, and SC Connectors | Drawing ZA-1055

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Corning
Cable Systems

Specifications

Parameter	Single-Mode
Insertion Loss	0.15 dB typical
Reflectance	< -30 dB for PC < -40 dB for Super PC < -65 dB for Angled PC
Durability	1000 rematings, < 0.20 dB change
Tensile Strength	20 lb, < 0.20 dB change
Temperature Cycling	-40° to +80°C, 40 cycles, < 0.30 dB change
Material	
Ferrule	Zirconia
Housing	Thermoplastic or metal

Note: SC connector is not available with metal housing.

Ordering Information

Part Number	Description
95-200-06[1]	ST® Compatible Single-mode Connector with standard ceramic ferrule .126/.127 and composite hardware
95-201-06[1]	ST Compatible Single-mode Connector with standard ceramic ferrule .126/.127 and metal hardware
95-200-10[1]	FC Single-mode Connector with ceramic ferrule and metal hardware
95-211-10[1]	FC APC Single-mode Connector with nonpedestal, pre-angled ceramic ferrule and metal hardware; must be polished with SP500 polisher
95-200-08[1]	SC Single-mode Connector with standard ceramic ferrule .126/.127 and blue shroud
95-211-08[1]	SC APC Single-mode Connector with nonpedestal, pre-angled ceramic ferrule, metal housing, and green shroud; must be polished with SP500 polisher
95-400-03-BP[1]	SC Duplex Housing; 100 per pack
TKT-025[2]	Termination Kit for Corning Cable Systems epoxy and polish connectors; tools and consumables included to terminate up to 200 ceramic connectors
TKT-025-C[2]	Ceramic Consumables Kit for TKT-025; will terminate up to 200 connectors
TKT-025-SPC[2]	Super PC Polishing Consumables Kit for single-mode connectors
3201014-01	Jacket Retention Crimp Tool for ST compatible, SC, and FC connectors
SP500	Automatic Polisher; polishes up to 12 connectors simultaneously
SP1000	Automatic Polisher; polishes up to 12 connectors simultaneously
SP12000	Automatic Polisher; polishes up to 12 connectors simultaneously

Consumables are also available in bulk. For a list and pricing, please call Customer Service.

[1]*Note: -**BPxy** can be added to the end of the connector part number. In addition, it will allow Customer Service to give a price without the customer specifying the boot size and color.*

    -BP = Bulk Pack/100 per pack

    -xy = Boot size and color are offered as options: *(xy must be changed at time of order to correct size and color)*

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

    (Example: -BP9W = Bulk Pack/100 per pack; 900 µm white boot)

[2]*Note: Air shipment is not allowed due to compressed air can (considered hazardous for air transport) in tool kits; air shipment is allowed when compressed air can is removed from tool kit. Customer may choose to have compressed air can shipped via ground or just to remove the item from the tool kit.*