Heat-Cure Single-Fiber Connectors
A LANscape® Solutions Product

Applications
• Field or factory installations requiring high optical performance

• Cable Assembly House and manufacturing environments

• Multiple terminations where material cost is the main consideration

Description
Corning Cables Systems offers a complete line of heat-cure, epoxy and polish connectors to suit your field or factory termination needs. Each connector is FOCIS and TIA/EIA-568-B.3 standards compliant, shipped from our factory preassembled to reduce installation time, along with recommended installation and polishing procedures.

Corning Cable Systems offers flexibility and versatility to meet your connector needs. When performance is key, we offer zirconia ferrule connectors that are pre-angled single-mode (APC) for FC, SC, and LC connectors. Super or Ultra PC can be achieved using ferrules which feature a radiused end-face to allow physical contact polishing. For the ultimate in performance, Corning Cable Systems offers SC and LC single-mode connectors with tuned ferrules.

In addition to offering connectors with zirconia ferrules, Corning Cable Systems offers SC and ST® compatible multi-mode connectors featuring a polymer ferrule which provides near-ceramic performance at a lower price.

For maximum product flexibility, we include a range of connector styles for single-mode and multimode applications which include FC, SC, LC, and ST compatible connectors available with a variety of hardware, crimp, and boot options. Duplexing clips for SC and LC connectors are available that allow easy removal and reversing of connectors to address polarity issues at installation. The duplexing clip for the LC includes anti-snagging features.

To provide maximum connector performance while minimizing installation time, Corning Cable Systems' crimp solution utilizes a single-strike crimp that is simple to use and provides improved jacket retention on the cable.

Heat-Cure Connectors | Photo CN01

Heat-Cure LC Connector | Photo LAN256

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Cable Systems

Features / Benefits

- Connectors branded with [plus]CORNING˙ to denote high quality and performance

- Compliant with TIA/EIA-568-B.3 and FOCIS TIA/EIA-604

- Single packs include the connector and all applicable crimp and boot options in a single bag for field use

- Bulk packs containing individually bagged components for high-volume factory use

- Connectors ship pre-assembled to reduce installation time

- Single-strike crimp solution provides jacket retention and fast termination

- Variety of boot sizes and colors available

- Installation procedure and polishing process included with product

- Angled PC available in FC, SC, and LC connector styles

- Cost-effective polymer ferrule available for multimode ST® compatible and SC connectors

- Accessories for duplexing SC and LC connectors available

- Choose from ST compatible connectors with metal or plastic hardware

Specifications

Parameter	Single-mode	Multimode
Interconnection Compatibility	Compliant with TIA/EIA-568-B.3 and FOCIS - TIA/EIA-604-2 (ST compatible), TIA/EIA-604-3 (SC), TIA/EIA-604-4 (FC), and TIA/EIA-604-10 (LC) 604-3 (SC), 604-4 (FC) and 604-10 (LC)	
Insertion Loss (average)	0.2 dB	Polymer 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	-20 dB -20 dB -20 dB -20 dB
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21	
Tensile Strength	≤ 0.2 dB change, 15 lb, FOTP-6	
Temperature Cycling	-40° to +75°C, 21 cycles, < 0.3 dB change	
Material	Ferrule: Polymer or preradiused zirconia Housing: Thermoplastic or metal	

Note: SC connector is not available with metal housing.

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Ordering Information

Part Number	Description
1. Order the connector.	
ST® Compatible Connectors	
95-100-02-SP	Heat-Cure, ST Compatible (plastic), Multimode (62.5 µm), Polymer Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, beige housing
95-050-44-SP	Heat-Cure, ST Compatible (plastic), Multimode (50 µm), .129 Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, black housing
95-100-44-SP	Heat-Cure, ST Compatible (plastic), Multimode (62.5 µm), .129 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, beige housing
95-250-06-SP	Heat-Cure, ST Compatible (plastic), Single-Mode, .1255 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, blue housing
95-051-44-SP	Heat-Cure, ST Compatible (metal), Multimode (50 µm), .129 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots
95-101-44-SP	Heat-Cure, ST Compatible (metal), Multimode (62.5 µm), .129 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots
95-251-06-SP	Heat-Cure, ST Compatible (metal), Single-Mode, .1255 Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots
FC Connectors	
95-050-10-SP	Heat-Cure, FC (metal), Multimode (50 µm), .129 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots
95-100-10-SP	Heat-Cure, FC (metal), Multimode (62.5 µm), .129 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots
95-250-10-SP	Heat-Cure, FC (metal), Single-Mode, .1255 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots
95-211-10-SP	Heat-Cure, FC (metal), Single-Mode APC, .1255 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots
SC Connectors	
95-050-48-SP	Heat-Cure, SC, Multimode (50 µm), Polymer Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, black housing
95-100-48-SP	Heat-Cure, SC, Multimode (62.5 µm), .129 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, black housing
95-250-08-SP	Heat-Cure, SC, Single-Mode, .1255 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, blue housing
95-100-03-SP	Heat-Cure, SC, Multimode (62.5 µm), Polymer Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, beige housing
95-211-08-SP	Heat-Cure, SC, Single-Mode APC, .1255 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, green housing
95-252-08-SP	Heat-Cure, SC, Single-Mode, .1255 ID Ceramic Ferrule (pre-tuned), Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp bands and boots, blue housing
95-353-08-SP	Heat-Cure, SC, Single-Mode, .1255 ID Ceramic Ferrule (high performance), Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, blue housing

Ordering Information *(continued)*

Part Number	Description
LC Connectors	
95-050-LC-SP	Heat-Cure, LC, Multimode (50 µm), .129 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, black housing
95-100-LC-SP	Heat-Cure, LC, Multimode (62.5 µm), .129 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, beige housing
95-250-LC-SP	Heat-Cure, LC, Single-Mode, .1255 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, blue housing
95-252-LC-SP	Heat-Cure, LC, Single-Mode, .1255 ID Tuned Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, blue housing
95-211-LC-SP	Heat-Cure, LC, Single-Mode APC, .1255 ID Ceramic Ferrule, Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, green housing
2. Order the crimp tools and accessories.	
TKT-025	Heat-Cure Connector Tool Kit for single-fiber connectors with 2.5 mm ferrules (does not include consumables for connectors with polymer ferrules)
TKT-025-CA	Supplemental Consumables Kit for single-fiber connectors with 2.5 mm polymer ferrules (must be added to TKT-025 for initial installation of connectors with polymer ferrules)
TKT-SFF-125	Heat-Cure Connector Tool Kit for single-fiber connectors with 1.25 mm ferrules (does not include consumables for connectors with polymer ferrules)
TKT-025-C1	Consumables Kits for the termination of 200 single-fiber connectors with 2.5 mm, polymer ferrules
TKT-025-C	Consumables Kits for the termination of 200 single-fiber connectors with 2.5 mm, ceramic ferrules
TRIGGER-BP-D	Duplex Trigger for LC connectors, pack of 100
TRIGGER-BP-S	Duplex Trigger with anti-snag feature for LC and MU connectors, pack of 100
95-400-03-BP	Duplex Clip for SC connectors, pack of 100
3201031-01	Crimp Tool for ST® Compatible /FC/SC heat-cure and anaerobic connectors
3201032-01	Crimp Tool for LC heat-cure and anaerobic connectors
CAH-OVEN-TMR	Cable Assembly House Curing Oven, 18-port, for heat-cured connectors, includes timer

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Ordering Information, Bulk Pack Connector and Components (Packs of 100 Pieces)

1. Order the connector.

ST® Compatible Connectors

Part Number	Description
95-100-02-BP	Heat-Cure, ST Compatible (plastic), Multimode (62.5 µm), Polymer Ferrule, Bulk Pack Connector, beige housing
95-050-44-BP	Heat-Cure, ST Compatible (plastic), Multimode (50 µm), .129 Ceramic Ferrule, Bulk Pack Connector, black housing
95-100-44-BP	Heat-Cure, ST Compatible (plastic), Multimode (62.5 µm), .129 ID Ceramic Ferrule Bulk Pack Connector, beige housing
95-250-06-BP	Heat-Cure, ST Compatible (plastic), Single-Mode, .1255 ID Ceramic Ferrule, Bulk Pack Connector, blue housing
95-051-44-BP	Heat-Cure, ST Compatible (metal), Multimode (50 µm), .129 ID Ceramic Ferrule, Bulk Pack Connector
95-101-44-BP	Heat-Cure, ST Compatible (metal), Multimode (62.5 µm), .129 ID Ceramic Ferrule, Bulk Pack Connector
95-251-06-BP	Heat-Cure, ST Compatible (metal), Single-Mode, .1255 Ceramic Ferrule, Bulk Pack Connector

FC Connectors

Part Number	Description
95-050-10-BP	Heat-Cure, FC (metal), Multimode (50 µm), .129 ID Ceramic Ferrule, Bulk Pack Connector
95-100-10-BP	Heat-Cure, FC (metal), Multimode (62.5 µm), .129 ID Ceramic Ferrule, Bulk Pack Connector
95-250-10-BP	Heat-Cure, FC (metal), Single-Mode, .1255 ID Ceramic Ferrule, Bulk Pack Connector
95-211-10-BP	Heat-Cure, FC (metal), Single-Mode APC, .1255 ID Ceramic Ferrule, Bulk Pack Connector

SC Connectors

Part Number	Description
95-050-48-BP	Heat-Cure, SC, Multimode (50 µm), Polymer Ferrule, Bulk Pack Connector, black housing
95-100-48-BP	Heat-Cure, SC, Multimode (62.5 µm), .129 ID Ceramic Ferrule, Bulk Pack Connector, beige housing
95-250-08-BP	Heat-Cure, SC, Single-Mode, .1255 ID Ceramic Ferrule, Bulk Pack Connector, blue housing
95-100-03-BP	Heat-Cure, SC, Multimode (62.5um), Polymer Ferrule, Bulk Pack Connector, beige housing
95-211-08-BP	Heat-Cure, SC, Single-Mode APC, .1255 ID Ceramic Ferrule, Bulk Pack Connector, green housing
95-252-08-BP	Heat-Cure, SC, Single-Mode, .1255 ID Ceramic Ferrule (pretuned), Bulk Pack Connector, blue housing
95-353-08-BP	Heat-Cure, SC, Single-Mode, .1255 ID Ceramic Ferrule (High Performance), Bulk Pack Connector, blue housing

LC Connectors

Part Number	Description
95-050-LC-BP	Heat-Cure, LC, Multimode (50 µm), .129 ID Ceramic Ferrule, Bulk Pack Connector, black housing
95-100-LC-BP	Heat-Cure, LC, Multimode (62.5 µm), .129 ID Ceramic Ferrule, Bulk Pack Connector, beige housing
95-250-LC-BP	Heat-Cure, LC, Single-Mode, .1255 ID Ceramic Ferrule, Bulk Pack Connector, blue housing
95-252-LC-BP	Heat-Cure, LC, Single-Mode, .1255 ID Tuned Ceramic Ferrule, Bulk Pack Connector, blue housing
95-211-LC-BP	Heat-Cure, LC, Single-Mode APC, .1255 ID Ceramic Ferrule, Bulk-Pack Connector, green housing

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Ordering Information *(continued)*

Part Number	Description
2. Order the crimp band.	
95-400-09-BP26	Crimp Band, 1.6/2.0 mm for ST Compatible, FC, and SC connectors
95-400-09-BP3	Crimp Band, 3.0 mm for ST Compatible, FC, and SC connectors
95-400-12-BP26	Crimp Band, 1.6/2.0 mm for LC connectors
95-400-12-BP3	Crimp Band, 3.0 mm for LC connectors
3. Order the boot.	
ST Compatible/FC - 3 mm and 2 mm	
95-400-32-BP3A	Boot for heat-cure, FC/ST Compatible, 3 mm with Plus Corning logo, aqua
95-400-32-BP3C	Boot for heat-cure, FC/ST Compatible, 3 mm with Plus Corning logo, gray
95-400-32-BP3Y	Boot for heat-cure, FC/ST Compatible, 3 mm with Plus Corning logo, yellow
95-400-32-BP3G	Boot for heat-cure, FC/ST Compatible, 3 mm with Plus Corning logo, green
95-400-32-BP3R	Boot for heat-cure, FC/ST Compatible, 3 mm with Plus Corning logo, red
95-400-32-BP3W	Boot for heat-cure, FC/ST Compatible, 3 mm with Plus Corning logo, white
95-400-32-BP3N	Boot for heat-cure, FC/ST Compatible, 3 mm with Plus Corning logo, blue
95-400-32-BP3B	Boot for heat-cure, FC/ST Compatible, 3 mm with Plus Corning logo, black
95-400-32-BP3K	Boot for heat-cure, FC/ST Compatible, 3 mm with Plus Corning logo, beige
95-400-32-BP2A	Boot for heat-cure, FC/ST Compatible, 2 mm with Plus Corning logo, aqua
95-400-32-BP2C	Boot for heat-cure, FC/ST Compatible, 2 mm with Plus Corning logo, gray
95-400-32-BP2Y	Boot for heat-cure, FC/ST Compatible, 2 mm with Plus Corning logo, yellow
95-400-32-BP2G	Boot for heat-cure, FC/ST Compatible, 2 mm with Plus Corning logo, green
95-400-32-BP2R	Boot for heat-cure, FC/ST Compatible, 2 mm with Plus Corning logo, red
95-400-32-BP2W	Boot for heat-cure, FC/ST Compatible, 2 mm with Plus Corning logo, white
95-400-32-BP2N	Boot for heat-cure, FC/ST Compatible, 2 mm with Plus Corning logo, blue
95-400-32-BP2B	Boot for heat-cure, FC/ST Compatible, 2 mm with Plus Corning logo, black
95-400-32-BP2K	Boot for heat-cure, FC/ST Compatible, 2 mm with Plus Corning logo, beige
SC - 3mm and 2mm	
95-400-31-BP3A	Boot for heat-cure, SC, 3 mm, aqua
95-400-31-BP3C	Boot for heat-cure, SC, 3 mm, gray
95-400-31-BP3Y	Boot for heat-cure, SC, 3 mm, yellow
95-400-31-BP3G	Boot for heat-cure, SC, 3 mm, green
95-400-31-BP3R	Boot for heat-cure, SC, 3 mm, red
95-400-31-BP3W	Boot for heat-cure, SC, 3 mm, white
95-400-31-BP3N	Boot for heat-cure, SC, 3 mm, blue
95-400-31-BP3B	Boot for heat-cure, SC, 3 mm, black
95-400-31-BP3K	Boot for heat-cure, SC, 3 mm, beige
95-400-31-BP2A	Boot for heat-cure, SC, 2 mm, aqua
95-400-31-BP2C	Boot for heat-cure, SC, 2 mm, gray
95-400-31-BP2Y	Boot for heat-cure, SC, 2 mm, yellow
95-400-31-BP2G	Boot for heat-cure, SC, 2 mm, green
95-400-31-BP2R	Boot for heat-cure, SC, 2 mm, red
95-400-31-BP2W	Boot for heat-cure, SC, 2 mm, white
95-400-31-BP2N	Boot for heat-cure, SC, 2 mm, blue
95-400-31-BP2B	Boot for heat-cure, SC, 2 mm, black
95-400-31-BP2K	Boot for heat-cure, SC, 2 mm, beige

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Ordering Information *(continued)*

Part Number	Description
ST® Compatible/FC/SC - 900 µm	
95-400-31-BP9A	Boot for heat-cure, ST Compatible, FC, and SC, 900 µm with Plus Corning logo, aqua
95-400-31-BP9C	Boot for heat-cure, ST Compatible, FC, and SC, 900 µm with Plus Corning logo, gray
95-400-31-BP9Y	Boot for heat-cure, ST Compatible, FC, and SC, 900 µm with Plus Corning logo, yellow
95-400-31-BP9G	Boot for heat-cure, ST Compatible, FC, and SC, 900 µm with Plus Corning logo, green
95-400-31-BP9R	Boot for heat-cure, ST Compatible, FC, and SC, 900 µm with Plus Corning logo, red
95-400-31-BP9W	Boot for heat-cure, ST Compatible, FC, and SC, 900 µm with Plus Corning logo, white
95-400-31-BP9N	Boot for heat-cure, ST Compatible, FC, and SC, 900 µm with Plus Corning logo, blue
95-400-31-BP9B	Boot for heat-cure, ST Compatible, FC, and SC, 900 µm with Plus Corning logo, black
95-400-31-BP9K	Boot for heat-cure, ST Compatible, FC, and SC, 900 µm with Plus Corning logo, beige
LC - 3 mm, 2 mm, 900 µm	
95-400-11-BP3A	Boot for heat-cure, LC, 3 mm, aqua
95-400-11-BP3C	Boot for heat-cure, LC, 3 mm, gray
95-400-11-BP3Y	Boot for heat-cure, LC, 3 mm, yellow
95-400-11-BP3G	Boot for heat-cure, LC, 3 mm, green
95-400-11-BP3R	Boot for heat-cure, LC, 3 mm, red
95-400-11-BP3W	Boot for heat-cure, LC, 3 mm, white
95-400-11-BP3N	Boot for heat-cure, LC, 3 mm, blue
95-400-11-BP3B	Boot for heat-cure, LC, 3 mm, black
95-400-11-BP3K	Boot for heat-cure, LC, 3 mm, beige
95-400-11-BP2A	Boot for heat-cure, LC, 2 mm, aqua
95-400-11-BP2C	Boot for heat-cure, LC, 2 mm, gray
95-400-11-BP2Y	Boot for heat-cure, LC, 2 mm, yellow
95-400-11-BP2G	Boot for heat-cure, LC, 2 mm, green
95-400-11-BP2R	Boot for heat-cure, LC, 2 mm, red
95-400-11-BP2W	Boot for heat-cure, LC, 2 mm, white
95-400-11-BP2N	Boot for heat-cure, LC, 2 mm, blue
95-400-11-BP2B	Boot for heat-cure, LC, 2 mm, black
95-400-11-BP2K	Boot for heat-cure, LC, 2 mm, beige
95-400-11-BP9A	Boot for heat-cure, LC, 900 µm, aqua
95-400-11-BP9C	Boot for heat-cure, LC, 900 µm, gray
95-400-11-BP9Y	Boot for heat-cure, LC, 900 µm, yellow
95-400-11-BP9G	Boot for heat-cure, LC, 900 µm, green
95-400-11-BP9R	Boot for heat-cure, LC, 900 µm, red
95-400-11-BP9W	Boot for heat-cure, LC, 900 µm, white
95-400-11-BP9N	Boot for heat-cure, LC, 900 µm, blue
95-400-11-BP9B	Boot for heat-cure, LC, 900 µm, black
95-400-11-BP9K	Boot for heat-cure, LC, 900 µm, beige

Ordering Information *(continued)*

Part Number	Description
2. Order the crimp tools and accessories.	
TKT-025	Heat-Cure Connector Tool Kit for single-fiber connectors with 2.5 mm ferrules (does not include consumables for connectors with polymer ferrules)
TKT-025-CA	Supplemental Consumables Kit for single-fiber connectors with 2.5 mm polymer ferrules (must be added to TKT-025 for initial installation of connectors with polymer ferrules)
TKT-SFF-125	Heat-Cure Connector Tool Kit for single-fiber connectors with 1.25 mm ferrules (does not include consumables for connectors with polymer ferrules)
TKT-025-C1	Consumables Kits for the termination of 200 single-fiber connectors with 2.5 mm, polymer ferrules
TKT-025-C	Consumables Kits for the termination of 200 single-fiber connectors with 2.5 mm, ceramic ferrules
TRIGGER-BP-D	Duplex Trigger for LC and MU connectors, pack of 100
TRIGGER-BP-S	Duplex Trigger with anti-snag feature for LC and MU connectors, pack of 100
95-400-03-BP	Duplex Clip for SC connectors, pack of 100
3201031-01	Crimp Tool for ST® Compatible/FC/SC heat-cure and anaerobic connectors
3201032-01	Crimp Tool for LC heat-cure and anaerobic connectors
CAH-OVEN-TMR	Cable Assembly House Curing Oven, 18-port, for heat-cured connectors, includes timer

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