

Heat-Cure Single-Fiber Connectors

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features and benefits |

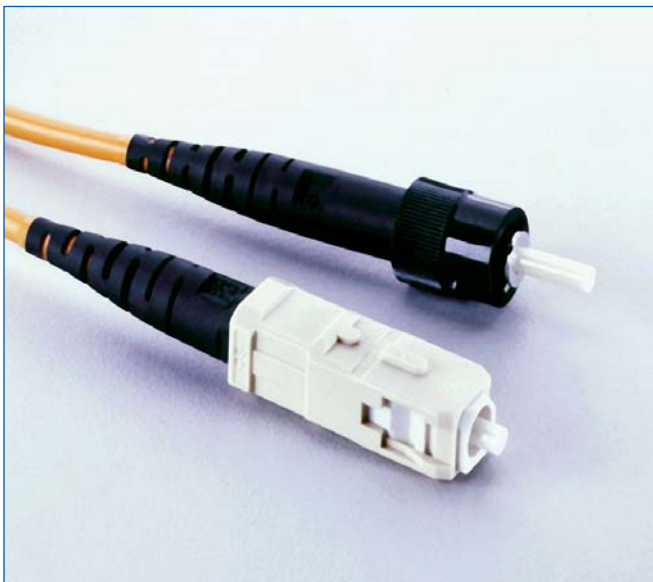
Tuned ferrules	Maximum performance
Range of connector styles	Product flexibility
Duplexing clips	Easily handle polarity issues

Corning Cable Systems offers a complete line of heat-cure, epoxy and polish connectors for the flexibility to meet any factory termination need. Available connector styles include FC, LC, SC and ST® Compatible for both single-mode and multimode applications. ST Compatible Connectors are offered in metal or plastic designs with the metal design utilizing a unique ramped latch for ease of installation.

Each connector meets FOCIS and TIA/EIA-568-B.3 standards and ships pre-assembled from the factory to reduce installation time. Zirconia ferrules with pre-radiused end-faces allow for physical contact polishing supporting super or ultra PC performance (SPC or UPC). For the ultimate in performance, Corning Cable Systems offers pre-angled single-mode (APC) and tuned single-mode ferrules in FC, LC and SC connector styles.

A wide variety of boots, crimp bands and duplexing clips are available for each connector style. These components are bulk packed and sold separately to reduce

(continued)



Heat-Cure Connectors | Photo CCA72



Heat-Cure LC Connector | Photo LAN751

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inventory and increase flexibility for high-volume factory applications. Boots come in 1.6/2.0 mm, 3.0 mm and 900 µm cable jacket sizes and each size is available in 9 standard colors. Duplexing clips for SC and LC connectors allow easy removal and reversing of connectors

to address polarity issues in the field. The LC duplexing clip also includes anti-snagging features. Recommended installation and polishing procedures for all connectors are available at www.corningcablesystems.com.

specifications |

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)	
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21	
Tensile Strength	≤ 0.2 dB change, 15 lb, FOTP-6	
	Single-Mode	Multimode
Insertion Loss (average)	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
Temperature Cycling	-40° to +75°C, 21 cycles, < 0.3 dB change	
Material	Ferrule: Preradiused zirconia Housing: SC – Thermoplastic LC – Thermoplastic ST – Thermoplastic or Metal FC – Metal	



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ordering information | (continued)

Part Number	Description
Bulk Pack Connector and Components (please order in multiples of 100, 200, 300, etc.)	
<i>Note: For single pack, replace - BP with - SP. Crimp band and boots are included with single pack connector.</i>	
1. Order the connector.	
ST® Compatible Connectors	
95-050-44-BP	ST Compatible Connector (plastic), heat-cure, multimode (50 µm), ceramic ferrule, bulk pack, black housing
95-100-44-BP	ST Compatible Connector (plastic), heat-cure, multimode (62.5 µm), ceramic ferrule, bulk pack, beige housing
95-250-06-BP	ST Compatible Connector (plastic), heat-cure, single-mode, ceramic ferrule, bulk pack, blue housing
95-051-49-BP	ST Compatible Connector (metal), heat-cure, multimode (50 µm), ceramic ferrule, bulk pack
95-101-49-BP	ST Compatible Connector (metal), heat-cure, multimode (62.5 µm), ceramic ferrule, bulk pack
95-251-49-BP	ST Compatible Connector (metal), heat-cure, single-mode, ceramic ferrule, bulk pack
FC Connectors	
95-050-10-BP	FC Connector, heat-cure, multimode (50 µm), ceramic ferrule, bulk pack
95-100-10-BP	FC Connector, heat-cure, multimode (62.5 µm), ceramic ferrule, bulk pack
95-250-10-BP	FC Connector, heat-cure, single-mode, ceramic ferrule, bulk pack
95-211-10-BP	FC Connector, heat-cure, single-mode APC, ceramic ferrule, bulk pack
95-252-10-BP	FC Connector, heat-cure, single-mode, tuned ceramic ferrule, bulk pack
SC Connectors	
95-050-48-BP	SC Connector, heat-cure, multimode (50 µm), ceramic ferrule, bulk pack, black housing
95-100-48-BP	SC Connector, heat-cure, multimode (62.5 µm), ceramic ferrule, bulk pack, beige housing
95-250-08-BP	SC Connector, heat-cure, single-mode, ceramic ferrule, bulk pack, blue housing
95-211-08-BP	SC Connector, heat-cure, single-mode APC, ceramic ferrule, bulk pack, green housing
95-252-08-BP	SC Connector, heat-cure, single-mode, tuned ceramic ferrule, bulk pack, blue housing



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Part Number	Description
LC Connectors	
95-050-LC-BP	LC Connector, heat-cure, multimode (50 µm), ceramic ferrule, bulk pack, black housing
95-100-LC-BP	LC Connector, heat-cure, multimode (62.5 µm), ceramic ferrule, bulk pack, beige housing
95-250-LC-BP	LC Connector, heat-cure, single-mode, ceramic ferrule, bulk pack, blue housing
95-252-LC-BP	LC Connector, heat-cure, single-mode, tuned ceramic ferrule, bulk pack, blue housing
95-211-LC-BP	LC Connector, heat-cure, single-mode APC, ceramic ferrule, bulk pack, green housing
2. Order the crimp band.	
95-400-09-BP26	Crimp Band, 1.6/2.0 mm for FC, SC and ST® Compatible Connectors (3201031-01 tool)
95-400-09-BP3	Crimp Band, 3.0 mm for FC, SC and ST Compatible Connectors (3201031-01 tool)
95-400-12-BP26	Crimp Band, 1.6/2.0 mm for LC connectors (3201032-01 tool)
95-400-12-BP26-S	Crimp Band with heat-shrink, 1.6/2.0 mm for LC connectors (3201039-01 tool)
95-400-12-BP3	Crimp Band, 3.0 mm for LC connectors (3201032-01 tool)
3. Order the boot.	
FC/ST Compatible Connector – 3 mm	
95-400-32-BP3A	Boot for heat-cure, FC/ST Compatible Connector, 3 mm, aqua
95-400-32-BP3C	Boot for heat-cure, FC/ST Compatible Connector, 3 mm, gray
95-400-32-BP3Y	Boot for heat-cure, FC/ST Compatible Connector, 3 mm, yellow
95-400-32-BP3G	Boot for heat-cure, FC/ST Compatible Connector, 3 mm, green
95-400-32-BP3R	Boot for heat-cure, FC/ST Compatible Connector, 3 mm, red
95-400-32-BP3W	Boot for heat-cure, FC/ST Compatible Connector, 3 mm, white
95-400-32-BP3N	Boot for heat-cure, FC/ST Compatible Connector, 3 mm, blue
95-400-32-BP3B	Boot for heat-cure, FC/ST Compatible Connector, 3 mm, black
95-400-32-BP3K	Boot for heat-cure, FC/ST Compatible Connector, 3 mm, beige



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Part Number	Description
FC/ST® Compatible Connector – 2 mm	
95-400-32-BP2A	Boot for heat-cure, FC/ST Compatible Connector, 2 mm, aqua
95-400-32-BP2C	Boot for heat-cure, FC/ST Compatible Connector, 2 mm, gray
95-400-32-BP2Y	Boot for heat-cure, FC/ST Compatible Connector, 2 mm, yellow
95-400-32-BP2G	Boot for heat-cure, FC/ST Compatible Connector, 2 mm, green
95-400-32-BP2R	Boot for heat-cure, FC/ST Compatible Connector, 2 mm, red
95-400-32-BP2W	Boot for heat-cure, FC/ST Compatible Connector, 2 mm, white
95-400-32-BP2N	Boot for heat-cure, FC/ST Compatible Connector, 2 mm, blue
95-400-32-BP2B	Boot for heat-cure, FC/ST Compatible Connector, 2 mm, black
95-400-32-BP2K	Boot for heat-cure, FC/ST Compatible Connector, 2 mm, beige
SC Compatible Connector – 3 mm	
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
SC Compatible Connector – 2 mm	
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



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Part Number	Description
SC Compatible Connector – 2 mm (continued)	
95-400-31-BP2B	Boot for heat-cure, SC, 2 mm, black
95-400-31-BP2K	Boot for heat-cure, SC, 2 mm, beige
FC/SC/ST® Compatible Connector – 900 µm	
95-400-08-BP9A	Boot for heat-cure, FC/SC/ST Compatible Connector, 900 µm, aqua
95-400-08-BP9C	Boot for heat-cure, FC/SC/ST Compatible Connector, 900 µm, gray
95-400-08-BP9Y	Boot for heat-cure, FC/SC/ST Compatible Connector, 900 µm, yellow
95-400-08-BP9G	Boot for heat-cure, FC/SC/ST Compatible Connector, 900 µm, green
95-400-08-BP9R	Boot for heat-cure, FC/SC/ST Compatible Connector, 900 µm, red
95-400-08-BP9W	Boot for heat-cure, FC/SC/ST Compatible Connector, 900 µm, white
95-400-08-BP9N	Boot for heat-cure, FC/SC/ST Compatible Connector, 900 µm, blue
95-400-08-BP9B	Boot for heat-cure, FC/SC/ST Compatible Connector, 900 µm, black
95-400-08-BP9K	Boot for heat-cure, FC/SC/ST Compatible Connector, 900 µm, beige
LC Compatible Connector – 3 mm	
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



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Part Number	Description
LC Compatible Connector – 2 mm	
95-400-11-BP2A-S	Boot for heat-cure, LC, 2 mm, aqua
95-400-11-BP2C-S	Boot for heat-cure, LC, 2 mm, gray
95-400-11-BP2Y-S	Boot for heat-cure, LC, 2 mm, yellow
95-400-11-BP2G-S	Boot for heat-cure, LC, 2 mm, green
95-400-11-BP2R-S	Boot for heat-cure, LC, 2 mm, red
95-400-11-BP2W-S	Boot for heat-cure, LC, 2 mm, white
95-400-11-BP2N-S	Boot for heat-cure, LC, 2 mm, blue
95-400-11-BP2B-S	Boot for heat-cure, LC, 2 mm, black
95-400-11-BP2K-S	Boot for heat-cure, LC, 2 mm, beige
LC Compatible Connector – 900 µm	
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



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Part Number	Description
4. Order the crimp tools and accessories.	
TRIGGER-BP-D	Duplex Trigger for LC, 100/pack
TRIGGER-BP-S	Simplex Trigger with anti-snap feature for LC connectors, 100/pack
95-400-03-BP	Duplex Clip for SC connectors, 100/pack
3201031-01	Crimp Tool for FC/SC/ST® Compatible Heat-Cure and Anaerobic Connectors
3201032-01	Crimp Tool for LC heat-cure 3.0 mm cable applications and anaerobic connectors
CAH-OVEN-TMR	Cable Assembly House Curing Oven, 18-port, for heat-cured connectors, includes timer
3201039-01	Crimp Tool for LC/SC heat-cure crimp band with heat-shrink

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