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Heat-Cure Single-Fiber Connectors

A LANscape® Solutions Product

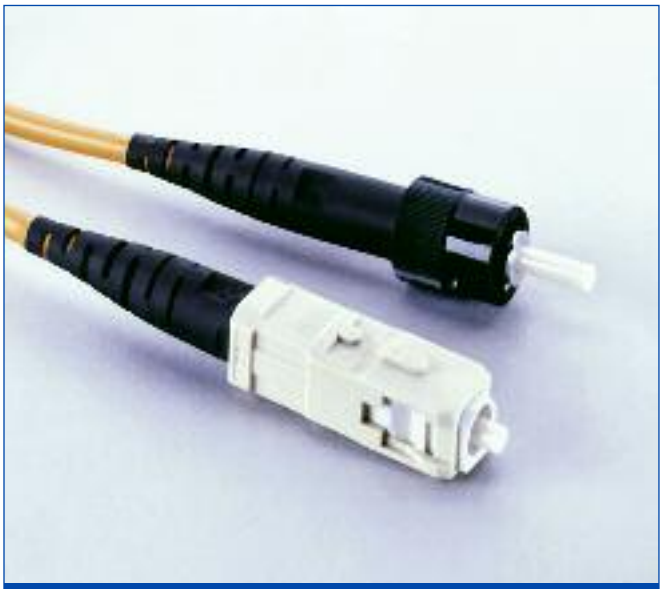
features and benefits |

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.

(continued)



Heat-Cure Connectors | Photo CCA72



Heat-Cure LC Connector | Photo LAN751

CORNING | LANscape® Solutions

Heat-Cure Single-Fiber Connectors

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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 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.corning.com/cablesystems.

specifications |

Intermateability	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
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

	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

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ordering information |

Part Number	Description
Bulk Pack Connector and Components (please order in multiples of 100, 200, 300, etc.)	
Note: For single pack, replace - BP with - SP. Crimp band and boots are included with single pack connector.	
1. Order the connector.	
ST® Compatible Connectors	
95-050-44-BP	ST Compatible Connector (plastic), heat-cure, 50 µm multimode, ceramic ferrule, bulk pack, black housing
95-100-44-BP	ST Compatible Connector (plastic), heat-cure, 62.5 µm multimode, 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, 50 µm multimode, ceramic ferrule, bulk pack
95-101-49-BP	ST Compatible Connector (metal), heat-cure, 62.5 µm multimode, 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, 50 µm multimode, ceramic ferrule, bulk pack
95-100-10-BP	FC Connector, heat-cure, 62.5 µm multimode, 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, 50 µm multimode, ceramic ferrule, bulk pack, black housing
95-100-48-BP	SC Connector, heat-cure, 62.5 µm multimode, 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

ordering information | (continued)

Part Number	Description
LC Connectors	
95-050-LC-BP	LC Connector, heat-cure, 50 µm multimode, ceramic ferrule, bulk pack, black housing
95-100-LC-BP	LC Connector, heat-cure, 62.5 µm multimode, 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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ordering information | (continued)

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

ordering information | (continued)

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 um	
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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ordering information | (continued)

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

ordering information | (continued)

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-snag 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
3201039-01	Crimp Tool for LC/SC heat-cure crimp band with heat-shrink
CAH-OVEN-TMR	Cable Assembly House Curing Oven, 18-port, for heat-cured connectors, includes timer

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