Heat-Cure Single-Fiber Connectors

Features and Benefits

Tuned ferrules
Maximum performance

Range of connector styles
Product flexibility

Duplexing clips
Easily handle polarity issues

Corning 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 preassembled from the factory to reduce installation time. Zirconia ferrules with preradiused end faces allow for physical contact polishing supporting super or ultra PC performance (SPC or UPC). For the ultimate in performance, Corning 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 packaged 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 nine 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.

Heat-Cure Connectors
| Photo CRR1428

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Specifications

Connector Type		
	Housing Material	Ferrule Material
SC	Thermoplastic	Ceramic
LC	Thermoplastic	Ceramic
ST	Thermoplastic	Ceramic
FC	Metal	Ceramic

Single-mode (OS2)	
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)
Insertion Loss, Typical	0.2 dB
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Temperature Cycling	< 0.3 dB -40° to +75°C, 21 cycles
Tensile Strength	≤ 0.2 dB change, 15 lb, FOTP-6
Reflectance	< -30 dB for PC, < -40 dB for super PC, < -55 dB for ultra PC, < -65 dB for angled PC

Multimode	
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)
Insertion Loss, Typical	0.2 dB
Durability	≤ 0.2 dB change, 15 lb, FOTP-6
Temperature Cycling	< 0.3 dB -40° to +75°C, 21 cycles
Tensile Strength	≤ 0.2 dB change, 15 lb, FOTP-6
Reflectance	-20 dB

ST® Compatible Connectors

ST® Compatible Connectors		
Part Number	Description	Units per
95-051-49-BP	ST® Compatible Connector (metal), heat-cure, 50 µm multimode (OM4+/OM4/OM3/	100/1
95-101-49-BP	ST® Compatible Connector (metal), heat-cure, 62.5 µm multimode (OM1), bulk pack	100/1
95-251-49-BP	ST® Compatible Connector (metal), heat-cure, Single-mode (OS2), bulk pack	100/1

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FC Connectors

FC Connectors		
Part Number	Description	Units per Delivery
95-050-10-BP	FC Connector, heat-cure, 50 µm multimode (OM4+/OM4/OM3/OM2), bulk	100/1
95-100-10-BP	FC Connector, heat-cure, 62.5 µm multimode (OM1), bulk pack	100/1
95-250-10-BP	FC Connector, heat-cure, single-mode (OS2), bulk pack	100/1
95-211-10-BP	FC Connector, heat-cure, single-mode APC (OS2), bulk pack	100/1
95-252-10-BP	FC Connector, heat-cure, single-mode (OS2), tuned, bulk pack	100/1

SC Connectors

SC Connectors		
Part Number	Description	Units per
95-050-48-BP	SC Connector, heat-cure, 50 µm multimode (OM4+/OM4/OM3/OM2), bulk pack,	100/1
95-100-48-BP	SC Connector, heat-cure, 62.5 µm multimode (OM1), bulk pack, beige housing	100/1
95-250-08-BP	SC Connector, heat-cure, single-mode (OS2), bulk pack, blue housing	100/1
95-211-08-BP	SC Connector, heat-cure, single-mode APC (OS2), bulk pack, green housing	100/1
95-252-08-BP	SC Connector, heat-cure, single-mode (OS2), tuned ferrule, bulk pack, blue	100/1

LC Connectors

LC Connectors		
Part Number	Description	Units per Delivery
95-252-LC-BP	LC Connector, heat-cure, single-mode (OS2), tuned, bulk pack, blue housing	100/1
95-211-LC-BP	LC Connector, heat-cure, single-mode (OS2), angled, bulk pack, green	100/1

Crimp Bands

Crimp band		
Part Number	Description	Units per
95-400-09-BP26	Crimp Band for ST® Compatible/FC/SC Connectors, bulk pack, 1.6 mm and 2.0	100/1
95-400-09-BP3	Crimp Band for ST® Compatible/FC/SC Connectors, bulk pack, 3.0 mm	100/1
95-400-12-BP26-S	Crimp Band for LC Connectors, bulk pack, 1.6 mm and 2.0 mm	100/1
95-400-12-BP3	Crimp Band for LC Connectors, bulk pack, 3.0 mm	100/1

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Heat-Cure Single-Fiber Connectors

FC/ST® Compatible Connector - 3 mm Boots

Part Number	Description	Units per Delivery
95-400-32-BP3A	Boot for Heat-cure Connector, ST® Compatible/FC, 3.0 mm, aqua	100/1
95-400-32-BP3C	Boot for Heat-cure Connector, ST® Compatible/FC, 3.0 mm, slate	100/1
95-400-32-BP3Y	Boot for Heat-cure Connector, ST® Compatible/FC, 3.0 mm, yellow	100/1
95-400-32-BP3G	Boot for Heat-cure Connector, ST® Compatible/FC, 3.0 mm, green	100/1
95-400-32-BP3R	Boot for Heat-cure Connector, ST® Compatible/FC, 3.0 mm, red	100/1
95-400-32-BP3W	Boot for Heat-cure Connector, ST® Compatible/FC, 3.0 mm, white	100/1
95-400-32-BP3N	Boot for Heat-cure Connector, ST® Compatible/FC, 3.0 mm, blue	100/1
95-400-32-BP3B	Boot for Heat-cure Connector, ST® Compatible/FC, 3.0 mm, black	100/1
95-400-32-BP3K	Boot for Heat-cure Connector, ST® Compatible/FC, 3.0 mm, beige	100/1

FC/ST® Compatible Connector – 1.6/2 mm Boots

Part Number	Description	Units per Delivery
95-400-32-BP2A	Boot for Heat-cure Connector, ST® Compatible/FC, 1.6 mm / 2.0 mm, aqua	100/1
95-400-32-BP2C	Boot for Heat-cure Connector, ST® Compatible/FC, 1.6 mm / 2.0 mm, slate	100/1
95-400-32-BP2Y	Boot for Heat-cure Connector, ST® Compatible/FC, 1.6 mm / 2.0 mm, yellow	100/1
95-400-32-BP2G	Boot for Heat-cure Connector, ST® Compatible/FC, 1.6 mm/2.0 mm, green	100/1
95-400-32-BP2R	Boot for Heat-cure Connector, ST® Compatible/FC, 1.6 mm/2.0 mm, red	100/1
95-400-32-BP2W	Boot for Heat-cure Connector, ST® Compatible/FC, 1.6 mm/2.0 mm, white	100/1
95-400-32-BP2N	Boot for Heat-cure Connector, ST® Compatible/FC, 1.6 mm/2.0 mm, blue	100/1
95-400-32-BP2B	Boot for Heat-cure Connector, ST® Compatible/FC, 1.6 mm/2.0 mm, black	100/1
95-400-32-BP2K	Boot for Heat-cure Connector, ST® Compatible/FC, 1.6 mm/2.0 mm, beige	100/1

SC Connector – 3 mm Boots

Part Number	Description	Units per Delivery
95-400-31-BP3A	Boot for Heat-cure Connector, SC, 3.0 mm, aqua	100/1
95-400-31-BP3C	Boot for Heat-cure Connector, SC, 3.0 mm, slate	100/1
95-400-31-BP3Y	Boot for Heat-cure Connector, SC, 3.0 mm, yellow	100/1
95-400-31-BP3G	Boot for Heat-cure Connector, SC, 3.0 mm, green	100/1
95-400-31-BP3R	Boot for Heat-cure Connector, SC, 3.0 mm, red	100/1
95-400-31-BP3W	Boot for Heat-cure Connector, SC, 3.0 mm, white	100/1
95-400-31-BP3N	Boot for Heat-cure Connector, SC, 3.0 mm, blue	100/1
95-400-31-BP3B	Boot for Heat-cure Connector, SC, 3.0 mm, black	100/1
95-400-31-BP3K	Boot for Heat-cure Connector, SC, 3.0 mm, beige	100/1

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SC Connector – 1.6/2 mm Boots

Part Number	Description	Units per Delivery
95-400-31-BP2A	Boot for Heat-cure Connector, SC, 1.6 mm/2.0 mm, aqua	100/1
95-400-31-BP2C	Boot for Heat-cure Connector, SC, 1.6 mm/2.0 mm, slate	100/1
95-400-31-BP2Y	Boot for Heat-cure Connector, SC, 1.6 mm/2.0 mm, yellow	100/1
95-400-31-BP2G	Boot for Heat-cure Connector, SC, 1.6 mm/2.0 mm, green	100/1
95-400-31-BP2R	Boot for Heat-cure Connector, SC, 1.6 mm/2.0 mm, red	100/1
95-400-31-BP2W	Boot for Heat-cure Connector, SC, 1.6 mm/2.0 mm, white	100/1
95-400-31-BP2N	Boot for Heat-cure Connector, SC, 1.6 mm/2.0 mm, blue	100/1
95-400-31-BP2B	Boot for Heat-cure Connector, SC, 1.6 mm/2.0 mm, black	100/1
95-400-31-BP2K	Boot for Heat-cure Connector, SC, 1.6 mm/2.0 mm, beige	100/1

FC/SC/ST® Compatible Connector – 900 um Boot

Part Number	Description	Units per Delivery
95-400-08-BP9A	Boot for Heat-cure Connector, FC/SC/ST® Compatible, 900 µm, aqua	100/1
95-400-08-BP9C	Boot for Heat-cure Connector, FC/SC/ST® Compatible, 900 µm, slate	100/1
95-400-08-BP9Y	Boot for Heat-cure Connector, FC/SC/ST® Compatible, 900 µm, yellow	100/1
95-400-08-BP9G	Boot for Heat-cure Connector, FC/SC/ST® Compatible, 900 µm, green	100/1
95-400-08-BP9R	Boot for Heat-cure Connector, FC/SC/ST® Compatible, 900 µm, red	100/1
95-400-08-BP9W	Boot for Heat-cure Connector, FC/SC/ST® Compatible, 900 µm, red	100/1
95-400-08-BP9N	Boot for Heat-cure Connector, FC/SC/ST® Compatible, 900 µm, blue	100/1
95-400-08-BP9B	Boot for Heat-cure Connector, FC/SC/ST® Compatible, 900 µm, black	100/1
95-400-08-BP9K	Boot for Heat-cure Connector, FC/SC/ST® Compatible, 900 µm, beige	100/1

LC Connector – 3 mm Boot

Part Number	Description	Units per Delivery
95-400-11-BP3A	Boot for heat-cure connector, LC, 3.0 mm, aqua	100/1
95-400-11-BP3C	Boot for Heat-cure Connector, LC, 3.0 mm, slate	100/1
95-400-11-BP3Y	Boot for Heat-cure Connector, LC, 3.0 mm, yellow	100/1
95-400-11-BP3G	Boot for Heat-cure Connector, LC, 3.0 mm, green	100/1
95-400-11-BP3R	Boot for Heat-cure Connector, LC, 3.0 mm, red	100/1
95-400-11-BP3W	Boot for Heat-cure Connector, LC, 3.0 mm, white	100/1
95-400-11-BP3N	Boot for Heat-cure Connector, LC, 3.0 mm, blue	100/1
95-400-11-BP3B	Boot for Heat-cure Connector, LC, 3.0 mm, black	100/1
95-400-11-BP3K	Boot for heat-cure connector, LC, 3.0 mm, beige	100/1

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LC Connector – 1.6/2 mm Boot

Part Number	Description	Units per Delivery
95-400-11-BP2A-Z	Boot for Heat-cure Connector, LC, 1.6 mm/2.0 mm, aqua	100/1
95-400-11-BP2C-Z	Boot for Heat-cure Connector, LC, 1.6 mm/2.0 mm, slate	100/1
95-400-11-BP2Y-Z	Boot for Heat-cure Connector, LC, 1.6 mm/2.0 mm, yellow	100/1
95-400-11-BP2G-Z	Boot for Heat-cure Connector, LC, 1.6 mm/2.0 mm, green	100/1
95-400-11-BP2R-Z	Boot for Heat-cure Connector, LC, 1.6 mm/2.0 mm, red	100/1
95-400-11-BP2W-Z	Boot for Heat-cure Connector, LC, 1.6 mm/2.0 mm, white	100/1
95-400-11-BP2N-Z	Boot for Heat-cure Connector, LC, 1.6 mm/2.0 mm, blue	100/1
95-400-11-BP2B-Z	Boot for Heat-cure Connector, LC, 1.6 mm/2.0 mm, black	100/1
95-400-11-BP2K-Z	Boot for Heat-cure Connector, LC, 1.6 mm /2.0 mm, beige	100/1

LC Connector – 900 µm Boot

Part Number	Description	Units per Delivery
95-400-11-BP9A-Z	Boot for Heat-cure Connector, LC, 900 µm, aqua	100/1
95-400-11-BP9C-Z	Boot for Heat-cure Connector, LC, 900 µm, slate	100/1
95-400-11-BP9Y-Z	Boot for Heat-cure Connector, LC, 900 µm, yellow	100/1
95-400-11-BP9G-Z	Boot for Heat-cure Connector, LC, 900 µm, green	100/1
95-400-11-BP9R-Z	Boot for Heat-cure Connector, LC, 900 µm, red	100/1
95-400-11-BP9W-Z	Boot for Heat-cure Connector, LC, 900 µm, white	100/1
95-400-11-BP9N-Z	Boot for Heat-cure Connector, LC, 900 µm, blue	100/1
95-400-11-BP9B-Z	Boot for Heat-cure Connector, LC, 900 µm, black	100/1
95-400-11-BP9K-Z	Boot for Heat-cure Connector, LC, 900 µm, beige	100/1

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Accessories

Part Number	Product Description	Units per Delivery	
TRIGGER-BP-D	Connector Trigger, LC, bulk pack, duplex, white	50/1	
TRIGGER-BP-S	Connector Trigger, Simplex, with anti-snagging feature for LC connectors, white, 100/pack	100/1	
95-400-03-BP	Connector Trigger, SC, bulk pack, duplex	50/1	
3201031-01	Crimp Tool, FC/SC/ST® Compatible, 1.6 mm / 2.0 mm / 3.0 mm	1/1	
3201032-01	Crimp Tool, LC, 3.0 mm	1/1	
3201039-01	Crimp Tool, LC/ST® Compatible/FC/SC, 1.6 mm /2.0 mm/3.0 mm	1/1	
CAH-OVEN-TMR	Heat-Cure Oven	1/1	

RoHS COMPLIANT

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