

Heat-Cure Single-Fiber Connectors

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features and benefits |

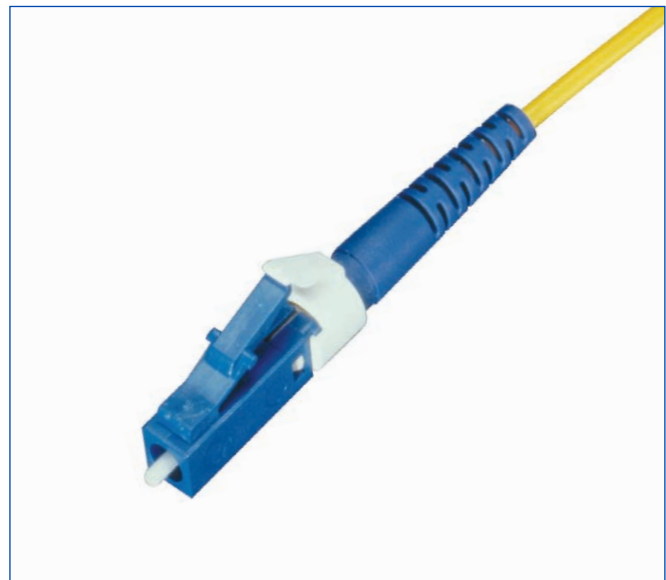
Factory preassembly	Reduces installation time
Tuned ferrules	Maximum performance
Range of connector styles	Product flexibility
Duplexing clips	Easily handle polarity issues

Corning Cable Systems offers a complete line of heat-cure, epoxy and polish connectors for flexibility and versatility to meet any field or factory termination need. Each connector meets FOCIS and TIA/EIA-568-B.3 standards and ships from the factory pre-assembled to reduce installation time. Zirconia ferrule connectors are pre-angled single-mode (APC) for FC, SC, and LC connectors. Super or Ultra PC can be achieved using ferrules that 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. Also available are SC and ST® compatible multimode connectors featuring a polymer ferrule that provides near-ceramic performance at a lower price. For maximum product flexibility, a range of connector styles are offered for single-mode and multimode applications, including FC, SC, LC and ST compatible connectors available with a variety of hardware, crimp and boot options. Duplexing clips for SC and LC connectors allow easy removal and revers-

(continued)



Heat-Cure Connectors | Photo LAN664



Heat-Cure LC Connector | Photo LAN256

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ing of connectors to address polarity issues at installation. The ST compatible connectors are offered in metal or plastic hardware with the metal ST connector utilizing a uniquely designed ramped latch for ease of installation. The duplexing clip for the LC includes anti-snagging features. A variety of boot sizes and colors are available and bulk packs containing boots and bands are sold separately to increase flexibility for high volume

factory use. Single packs include the connector and all applicable crimp and boot options in a single bag for field use. 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. Installation and polishing process procedures 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) 604-3 (SC), 604-4 (FC) and 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	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
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
95-051-49-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
95-101-49-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
95-251-49-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

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Part Number	Description
SC Connectors (continued)	
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 APC, .1255 ID Ceramic Ferrule (pre-tuned), Single Pack Connector with 1.6 mm, 2.0 mm, and 3.0 mm crimp band and boots, blue housing
95-353-08-SP	Heat-Cure, SC, Single-Mode APC, .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
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 connector 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 11.25 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, 100/pack
TRIGGER-BP-S	Duplex Trigger with anti-snag feature for LC and MU connectors, 100/pack
95-400-03-BP	Duplex Clip for SC connectors, 100/pack
3201031-01	Crimp Tool for ST® Compatible/FC/SC 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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Part Number	Description
Bulk Pack Connector and Components (Packs of 100 Pieces)	
1. Order the connector.	
ST® Compatible Connectors	
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
95-051-49-BP	Heat-Cure, ST Compatible (metal), Multimode (50 μm), .129 ID Ceramic Ferrule, Bulk Pack Connector
95-101-49-BP	Heat-Cure, ST Compatible (metal), Multimode (62.5 μm), .129 ID Ceramic Ferrule, Bulk Pack Connector
95-251-49-BP	Heat-Cure, ST Compatible (metal), Single-Mode, .1255 ID Ceramic Ferrule, Bulk Pack Connector
FC Connectors	
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	
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 (62.5 μm), 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

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Part Number	Description
LC Connectors	
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
2. Order the crimp band.	
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
3201039-01	Crimp Tool for LC heat-cure crimp band with heat-shrink for 1.6 and 2.0 mm cable applications
95-400-09-BP26-S	Crimp Band with heat-shrink, LC connectors 1.6/2.0 mm
3. Order the boot.	
ST® Compatible Connector/FC – 3 mm and 2 mm	
95-400-32-BP3A	Boot for heat-cure, FC/ST Compatible Connector, 3 mm with Plus Corning™ logo, aqua
95-400-32-BP3C	Boot for heat-cure, FC/ST Compatible Connector, 3 mm with Plus Corning logo, gray
95-400-32-BP3Y	Boot for heat-cure, FC/ST Compatible Connector, 3 mm with Plus Corning logo, yellow
95-400-32-BP3G	Boot for heat-cure, FC/ST Compatible Connector, 3 mm with Plus Corning logo, green
95-400-32-BP3R	Boot for heat-cure, FC/ST Compatible Connector, 3 mm with Plus Corning logo, red
95-400-32-BP3W	Boot for heat-cure, FC/ST Compatible Connector, 3 mm with Plus Corning logo, white
95-400-32-BP3N	Boot for heat-cure, FC/ST Compatible Connector, 3 mm with Plus Corning logo, blue
95-400-32-BP3B	Boot for heat-cure, FC/ST Compatible Connector, 3 mm with Plus Corning logo, black
95-400-32-BP3K	Boot for heat-cure, FC/ST Compatible Connector, 3 mm with Plus Corning logo, beige

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Part Number	Description
ST Compatible Connector/FC – 3 mm and 2 mm (continued)	
95-400-32-BP2A	Boot for heat-cure, FC/ST Compatible Connector, 2 mm with Plus Corning™ logo, aqua
95-400-32-BP2C	Boot for heat-cure, FC/ST Compatible Connector, 2 mm with Plus Corning logo, gray
95-400-32-BP2Y	Boot for heat-cure, FC/ST Compatible Connector, 2 mm with Plus Corning logo, yellow
95-400-32-BP2G	Boot for heat-cure, FC/ST Compatible Connector, 2 mm with Plus Corning logo, green
95-400-32-BP2R	Boot for heat-cure, FC/ST Compatible Connector, 2 mm with Plus Corning logo, red
95-400-32-BP2W	Boot for heat-cure, FC/ST Compatible Connector, 2 mm with Plus Corning logo, white
95-400-32-BP2B	Boot for heat-cure, FC/ST Compatible Connector, 2 mm with Plus Corning logo, blue
95-400-32-BP2W	Boot for heat-cure, FC/ST Compatible Connector, 2 mm with Plus Corning logo, black
95-400-32-BP2W	Boot for heat-cure, FC/ST Compatible Connector, 2 mm with Plus Corning logo, beige
SC – 3 mm and 2 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
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 – 3 mm and 2 mm	
95-400-31-BP2B	Boot for heat-cure, SC, 2 mm, black
95-400-31-BP2K	Boot for heat-cure, SC, 2 mm, beige
ST® Compatible/FC/SC – 900 µm	
95-400-08-BP9A	Boot for heat-cure, ST® Compatible Connector, FC and SC, 900 µm with Plus Corning™ logo, aqua
95-400-08-BP9C	Boot for heat-cure, ST Compatible Connector, FC and SC, 900 µm with Plus Corning logo, gray
95-400-08-BP9Y	Boot for heat-cure, ST Compatible Connector, FC and SC, 900 µm with Plus Corning logo, yellow
95-400-08-BP9G	Boot for heat-cure, ST Compatible Connector, FC and SC, 900 µm with Plus Corning logo, green
95-400-08-BP9R	Boot for heat-cure, ST Compatible Connector, FC and SC, 900 µm with Plus Corning logo, red
95-400-08-BP9W	Boot for heat-cure, ST Compatible Connector, FC and SC, 900 µm with Plus Corning logo, white
95-400-08-BP9N	Boot for heat-cure, ST Compatible Connector, FC and SC, 900 µm with Plus Corning logo, blue
95-400-08-BP9B	Boot for heat-cure, ST Compatible Connector, FC and SC, 900 µm with Plus Corning logo, black
95-400-08-BP9K	Boot for heat-cure, ST Compatible Connector, 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-S	Boot for heat-cure, LC, 2 mm, aqua

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Part Number	Description
LC – 3 mm, 2 mm, 900 μm (continued)	
95-400-11-BP2C-S	Boot for heat-cure, LC, 2 mm, green
95-400-11-BP2Y-S	Boot for heat-cure, LC, 2 mm, red
95-400-11-BP2G-S	Boot for heat-cure, LC, 2 mm, white
95-400-11-BP2R-S	Boot for heat-cure, LC, 2 mm, blue
95-400-11-BP2W-S	Boot for heat-cure, LC, 2 mm, black
95-400-11-BP2N-S	Boot for heat-cure, LC, 2 mm, beige
95-400-11-BP2B-S	Boot for heat-cure, LC, 900 μm, aqua
95-400-11-BP2K-S	Boot for heat-cure, LC, 900 μm, gray
95-400-11-BP9A	Boot for heat-cure, LC, 900 μm, yellow
95-400-11-BP9C	Boot for heat-cure, LC, 900 μm, green
95-400-11-BP9Y	Boot for heat-cure, LC, 900 μm, red
95-400-11-BP9G	Boot for heat-cure, LC, 900 μm, white
95-400-11-BP9R	Boot for heat-cure, LC, 900 μm, blue
95-400-11-BP9W	Boot for heat-cure, LC, 900 μm, black
95-400-11-BP9N	Boot for heat-cure, LC, 900 μm, beige
95-400-11-BP9B	Boot for heat-cure, LC, 2 mm, gray
95-400-11-BP9K	Boot for heat-cure, LC, 2 mm, yellow

4. 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, 100/pack

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Part Number	Description
TRIGGER-BP-S	Duplex Trigger with anti-snag feature for LC and MU connectors, 100/pack
95-400-03-BP	Duplex Clip for SC connectors, 100/pack
3201031-01	Crimp Tool for ST® Compatible/FC/SC 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

