

Heat-Cure Single-Fiber Connectors

A LANscape® Solutions Product

Corning
Cable Systems

Applications

- Building wiring applications
- Ideal for connector assembly house applications in patch cord manufacturing
- Mass terminations when material cost is the main consideration
- Applications requiring low connector reflectance

Description

Corning Cable Systems' heat-cure product line includes a full line of single-mode and multimode epoxy and polish connectors for factory installation. We offer a wide range of connector styles, hardware and boot options. Preradiused and angled ferrules are also available.

Corning Cable Systems' new polymer multimode ferrule offers excellent performance at a very low price. The re-designed ferrule allows easier fiber entry and has the lowest material cost available. The standard multimode zirconia ceramic ferrule has a radiused end-face to allow physical contact (PC) polishing.

The hardware on the ST® compatible connector is available in either thermoplastic or metal. Both feature a closed keyway design allowing the connector to far exceed performance specifications for tensile strength. The SC connector features a shroud that is duplexable with a simple housing. The FC and SC connectors have non-optical disconnect features. All connectors are pre-assembled for easy installation.

For Super or Ultra PC, the single-mode zirconia ceramic ferrule has a radiused end-face to allow physical contact (PC) polishing. A consumables kit and procedure are available for hand-polishing. Ultra PC (-55 dB) may be achieved by using our automatic polishers. For angled PC, the FC, LC and SC are available. The ferrule is pre-angled and must be polished with Corning Cable Systems' automatic polishers. A typical reflectance of -65 dB is achievable with this process.



Heat-Cure Connectors | Photo CN01



Heat-Cure LC Connector | Photo LAN256

Heat-Cure Single-Fiber Connectors

A LANscape® Solutions Product

Corning
Cable Systems

Features / Benefits

- Bulk packaging for quicker assembly
- Angled PC available in FC, LC and SC
- Preradiused zirconia ceramic ferrule; Ultra PC available with automatic polisher
- Industry-leading multimode polymer ferrule provides low cost with performance equal to ceramic
- Metallic and composite ST® compatible connector hardware features robust closed keyway design
- Connectors are pre-assembled for reduced installation time
- New one-step crimp ring with jacket retention
- Boot size and color options
- Automatic polisher available
- SC, ST compatible and FC meet TIA/EIA-568-B.3 standard; SC is duplexable
- FC and SC have non-optical disconnect feature
- Connectors branded as ^{plus}CORNING™

Specifications

Parameter	Single-mode	Multimode
Interconnection Compatibility	Compliant with TIA/EIA 604-2 (ST compatible), 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	N/A N/A N/A N/A
Durability	≤ 0.2 dB change, 1000 rematings, FOTP-21 (500 rematings for LC)	
Tensile Strength	≤ 0.2 dB change, 20 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.

Heat-Cure Single-Fiber Connectors

A LANscape® Solutions Product

Corning
Cable Systems

Ordering Information

All components are packaged in bags of 100 pieces unless specified otherwise. Single connectors are also available; to order, omit the -BP suffix from the part number.

Part Number	Description
1. Order the connector.	
SC Connectors	
95-250-08-BP	SC Single-mode Connector; ceramic, 0.1255 µm ferrule, blue shroud
95-211-08-BP	SC APC Single-mode Connector; pre-angled ceramic, 0.1255 µm ferrule, green shroud
95-050-48-BP	SC 50 µm Multimode Connector; ceramic, 0.1255 µm ferrule, black shroud
95-100-48-BP	SC 62.5 µm Multimode Connector; ceramic, 0.1255 µm ferrule, beige shroud
95-100-03-BP	SC 62.5 µm Multimode Connector; polymer ferrule, beige shroud
95-400-03-BP	SC Duplexing Clip

All SC connectors are duplexable using part number 95-400-03-BP.

ST® Compatible Connectors	
95-250-06-BP	ST Compatible Single-mode Connector; ceramic, 0.1255 µm ferrule, black housing
95-251-06-BP	ST Compatible Single-mode Connector; pre-angled ceramic, 0.1255 µm ferrule, metal housing
95-050-44-BP	ST Compatible 50 µm Multimode Connector; ceramic, 0.1255 µm ferrule, black housing
95-100-44-BP	ST Compatible 62.5 µm Multimode Connector; ceramic, 0.1255 µm ferrule, black housing
95-100-02-BP	ST Compatible 62.5 µm Multimode Connector; polymer ferrule, black housing
95-101-44-BP	ST Compatible 62.5 µm Multimode Connector; ceramic, 0.1255 µm ferrule, metal housing

FC Connectors	
95-250-10-BP	FC Single-mode Connector; ceramic, 0.1255 µm ferrule, metal housing
95-211-10-BP	FC APC Single-mode Connector; pre-angled ceramic, 0.1255 µm ferrule, metal housing
95-100-10-BP	FC 62.5 µm Multimode Connector; ceramic, 0.1255 µm ferrule, metal housing

LC Connectors	
95-250-LC-BP	LC Single-mode Connector; ceramic, 0.1255 µm ferrule, blue shroud
95-211-LC-BP	LC APC Single-mode Connector; pre-angled ceramic, 0.1255 µm ferrule, green shroud
95-050-LC-BP	LC 50 µm Multimode Connector; ceramic, 0.1255 µm ferrule, black shroud
95-100-LC-BP	LC 62.5 µm Multimode Connector; ceramic, 0.1255 µm ferrule, beige shroud
TRIGGER-BP-S	LC Trigger, simplex anti-snag
TRIGGER-BP-D	LC Trigger, duplexing clip and anti-snag, 50 per pack

All LC connectors are duplexable using part number TRIGGER-BP-D.

2. Order the crimp ring.

95-400-09-BP	Crimp Band, SC/ST compatible/FC connector, 2.0 mm/3.0 mm
95-400-12-BP6	Crimp Band, LC connector, 1.6 mm
95-400-12-BP2	Crimp Band, LC connector, 2.0 mm
95-400-12-BP3	Crimp Band, LC connector, 3.0 mm

Heat-Cure Single-Fiber Connectors

A LANscape® Solutions Product

Corning
Cable Systems

Ordering Information (continued)

Part Number	Description
3. Order the boot.	
SC Type, 2 mm and 3 mm	
95-400-06-BP2B	SC A2 Boot, 2 mm, seg, hc, pcorn, black
95-400-06-BP2G	SC A2 Boot, 2 mm, seg, hc, pcorn, green
95-400-06-BP2N	SC A2 Boot, 2 mm, seg, hc, pcorn, blue
95-400-06-BP2K	SC A2 Boot, 2 mm, seg, hc, pcorn, beige
95-400-06-BP2W	SC A2 Boot, 2 mm, seg, hc, pcorn, white
95-400-06-BP2A	SC A2 Boot, 2 mm, seg, hc, pcorn, aqua
95-400-06-BP3B	SC Boot, 3 mm, tap seg, hc, pcorn, black
95-400-06-BP3G	SC Boot, 3 mm, tap seg, hc, pcorn, green
95-400-06-BP3N	SC Boot, 3 mm, tap seg, hc, pcorn, blue
95-400-06-BP3K	SC Boot, 3 mm, tap seg, hc, pcorn, beige
95-400-06-BP3W	SC Boot, 3 mm, tap seg, hc, pcorn, white
95-400-06-BP3A	SC Boot, 3 mm, tap seg, hc, pcorn, aqua
FC/ST® Compatible Type, 2 mm and 3 mm	
95-400-07-BP2B	FC/ST Compatible Connector Boot, 2 mm, sts, pcorn, black
95-400-07-BP2G	FC/ST Compatible Connector Boot, 2 mm, sts, pcorn, green
95-400-07-BP2N	FC/ST Compatible Connector Boot, 2 mm, sts, pcorn, blue
95-400-07-BP2K	FC/ST Compatible Connector Boot, 2 mm, sts, pcorn, beige
95-400-07-BP2W	FC/ST Compatible Connector Boot, 2 mm, sts, pcorn, white
95-400-07-BP2A	FC/ST Compatible Connector Boot, 2 mm, sts, pcorn, aqua
95-400-07-BP3B	FC/ST Compatible Connector Boot, 3 mm, sts, pcorn, black
95-400-07-BP3G	FC/ST Compatible Connector Boot, 3 mm, sts, pcorn, green
95-400-07-BP3N	FC/ST Compatible Connector Boot, 3 mm, sts, pcorn, blue
95-400-07-BP3K	FC/ST Compatible Connector Boot, 3 mm, sts, pcorn, beige
95-400-07-BP3W	FC/ST Compatible Connector Boot, 3 mm, sts, pcorn, white
95-400-07-BP3A	FC/ST Compatible Connector Boot, 3 mm, sts, pcorn, aqua

Heat-Cure Single-Fiber Connectors

A LANscape® Solutions Product

Corning
Cable Systems

Ordering Information (continued)

Part Number	Description
SC/ST® Compatible/FC Type, 900 µm	
95-400-08-BP9B	Boot, SS, 900 µm, hc, pcorn, black
95-400-08-BP9G	Boot, SS, 900 µm, hc, pcorn, green
95-400-08-BP9N	Boot, SS, 900 µm, hc, pcorn, blue
95-400-08-BP9K	Boot, SS, 900 µm, hc, pcorn, beige
95-400-08-BP9W	Boot, SS, 900 µm, hc, pcorn, white
95-400-08-BP9A	Boot, SS, 900 µm, hc, pcorn, aqua
LC Type	
95-400-11-BP9B	LC Plug Boot, 900 µm, ss, pcorn, black
95-400-11-BP9G	LC Plug Boot, 900 µm, ss, pcorn, green
95-400-11-BP9N	LC Plug Boot, 900 µm, ss, pcorn, blue
95-400-11-BP9K	LC Plug Boot, 900 µm, ss, pcorn, beige
95-400-11-BP9W	LC Plug Boot, 900 µm, ss, white
95-400-11-BP9A	LC Plug Boot, 900 µm, ss, aqua
95-400-11-BP2B	LC Plug Boot, 2 mm, sts, pcorn, black
95-400-11-BP2G	LC Plug Boot, 2 mm, sts, pcorn, green
95-400-11-BP2N	LC Plug Boot, 2 mm, sts, pcorn, blue
95-400-11-BP2K	LC Plug Boot, 2 mm, sts, pcorn, beige
95-400-11-BP2W	LC Plug Boot, 2 mm, sts, pcorn, white
95-400-11-BP2A	LC Plug Boot, 2 mm, sts, pcorn, aqua
95-400-11-BP6B	LC Plug Boot, 1.6 mm, sts, pcorn, black
95-400-11-BP6G	LC Plug Boot, 1.6 mm, sts, pcorn, green
95-400-11-BP6N	LC Plug Boot, 1.6 mm, sts, pcorn, blue
95-400-11-BP6K	LC Plug Boot, 1.6 mm, sts, pcorn, beige
95-400-11-BP6W	LC Plug Boot, 1.6 mm, sts, pcorn, white
95-400-11-BP6A	FLC Plug Boot, 1.6 mm, sts, pcorn, aqua

Heat-Cure Single-Fiber Connectors

A LANscape® Solutions Product

Corning
Cable Systems

Ordering Information (continued)

Part Number	Description
Accessories	
TKT-025	Termination Kit for Corning Cable Systems multimode and single-mode heat-cure connectors; includes installation tools for ceramic or composite connectors and consumables for up to 200 ceramic connectors; supplemental consumables must be added for composite termination (TKT-025-CA)
TKT-025-CA	Supplemental Consumables to terminate all-composite connectors; must be added to TKT-025 for initial installation
TKT-025-C	Ceramic Consumables Kit for TKT-025; will terminate up to 200 connectors
TKT-025-C1	Composite Consumables Kit for TKT-025; will terminate up to 200 connectors
3201014-01	Jacket Retention Crimp Tool for ST compatible and SC connectors
2105616-01	Crimp Tool for LC heat-cure connectors

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

1-800-743-2675 • FAX: +1-828-901-5973 • International: +1-828-901-5000 • <http://www.corning.com/cablesystems>

Corning Cable Systems reserves the right to improve, enhance and modify the features and specifications of Corning Cable Systems' products without prior notification. LANscape is a registered trademark of Corning Cable Systems Brands, Inc. Discovering Beyond Imagination and Plus Corning are trademarks of Corning Incorporated. ST is a registered trademark of Lucent Technologies. All other trademarks are the properties of their respective owners. Corning Cable Systems is ISO 9001 certified. © 2001, 2003 Corning Cable Systems. All rights reserved. Published in the USA. LAN-346-EN / April 2003 / pdf

