

LIGHTCRIMP PLUS No Epoxy, No Polish LC, SC and ST Connectors

Product Facts

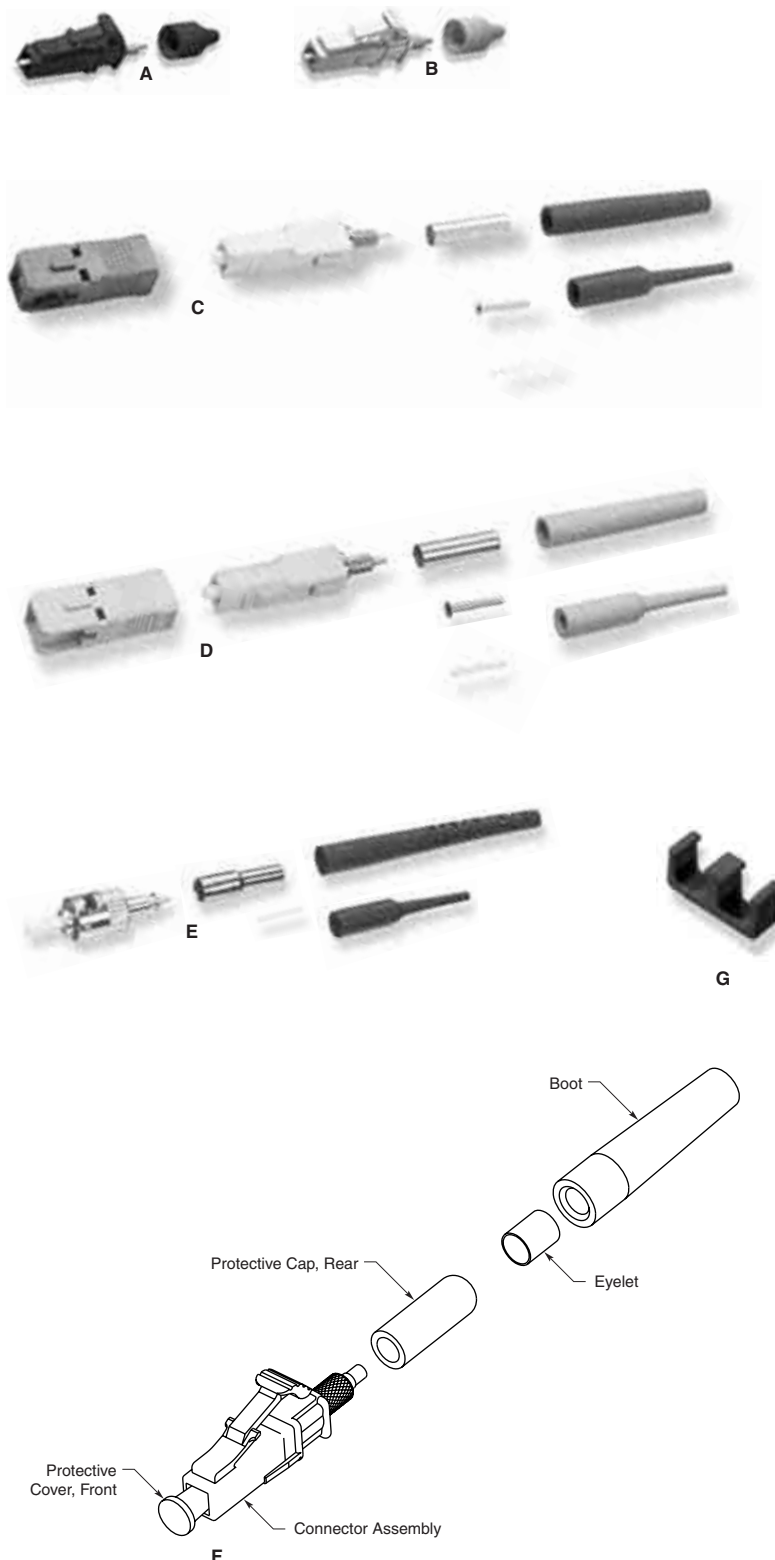
- Multimode connector kits come with accessories needed to terminate to 250 μ m fiber, 900 μ m tight-buffered fiber, and 900 μ m easy-strip
- SC and ST kits also terminate 3 mm cables
- Singlemode connector kits terminate to 250 μ m fiber, 900 μ m tight-buffered fiber, 900 μ m easy-strip and buffer tube splitter kits
- Easy installation:
 - No epoxy, no polishing
 - No bench tool required
 - Strip, cleave and crimp
- Easy identification:
 - Singlemode is blue
 - Laser Optimized (10 Gb/s) is aqua — 10 Gb/s applications
 - 62.5/125 μ m is beige
 - 50/125 μ m is black
- Match fiber type of cable to fiber type of LIGHTCRIMP PLUS
- Mates with standard couplers, adapters and adapter plates
- LC small form factor design is half the size of SC
- Tested to and meets TIA/EIA 568-B.3
- Termination tool kits on page 86

Performance Characteristics

Insertion Loss — Typical (dB)
0.2 dB Singlemode; 0.3 dB Multimode

Temperature Range —
-10°C to 60°C, tested to -40°C to 75°C

Durability — 500 cycles



LIGHTCRIMP PLUS No Epoxy, No Polish LC, SC and ST Connectors (Continued)

Connector Type	Fiber Type	Housing Color	Boot Color	Used With	Figure	Part Number	IS Sheet
Simplex LC	Singlemode	Blue	Blue	900 µm & 250 µm Fibers	A	6754482-1	408-8925
	50/125 µm Multimode	Beige	Black	900 µm & 250 µm Fibers	B	6754483-2	408-8925
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode	Beige	Aqua	900 µm & 250 µm Fibers	—	6754483-4	408-8925
	62.5/125 µm Multimode	Beige	Beige	900 µm & 250 µm Fibers	B	6754483-1	408-8925
Simplex LC Jacketed	Singlemode Jacketed	Blue	Blue	1.6 - 2.0 mm Cable	F	1918626-1	408-8925
	62.5/125 µm Multimode Jacketed	Beige	Beige	1.6 - 2.0 mm Cable	F	1918627-1	408-8925
	50/125 µm Multimode Jacketed	Beige	Black	1.6 - 2.0 mm Cable	F	1918627-2	408-8925
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode Jacketed	Gray	Aqua	1.6 - 2.0 mm Cable	F	1918627-3	408-8925
Simplex SECURE LC	50/125 µm Multimode Jacketed	Various	Various	1.6 - 2.0 mm Cable	F	1828857-X ¹	408-8925
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode Jacketed	Various	Various	1.6 - 2.0 mm Cable	F	1828858-X ¹	408-8925
	62.5/125 µm Multimode Jacketed	Various	Various	1.6 - 2.0 mm Cable	F	1828859-X ¹	408-8925
	Singlemode Jacketed	Various	Various	1.6 - 2.0 mm Cable	F	1828860-X ¹	408-8925
Duplex LC	Singlemode	Blue	Blue	900 µm & 250 µm Fibers	—	6754484-1	408-8725
	50/125 µm Multimode	Beige	Black	900 µm & 250 µm Fibers	—	6754485-2	408-8725
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode	Beige	Aqua	900 µm & 250 µm Fibers	—	6754485-4	408-8725
	62.5/125 µm Multimode	Beige	Beige	900 µm & 250 µm Fibers	—	6754485-1	408-8725
Simplex SC	Singlemode*	Blue	Blue	900 µm & 250 µm Fibers	C	6693276-1	408-4471
	50/125 µm Multimode	Beige	Black	900 µm & 250 µm Fibers, 3 mm Cable	D	6278079-2	408-4471
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode	Beige	Aqua	900 µm & 250 µm Fibers, 3 mm Cable	—	6588291-2	408-4471
	62.5/125 µm Multimode	Beige	Beige	900 µm & 250 µm Fibers, 3 mm Cable	D	5492643-1	408-4471
Duplex SC	Singlemode	Blue	Blue	900 µm & 250 µm Fibers	—	6693278-1	408-8603
	50/125 µm Multimode	Beige	Black	900 µm & 250 µm Fibers, 3 mm Cable	—	6278080-2	408-8603
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode	Beige	Aqua	900 µm & 250 µm Fibers, 3 mm Cable	—	6588292-2	408-8603
	62.5/125 µm Multimode	Beige	Beige	900 µm & 250 µm Fibers, 3 mm Cable	—	6278009-1	408-8603
ST	50/125 µm Multimode	Metallic	Black	900 µm & 250 µm Fibers, 3 mm Cable	E	6278082-1	408-4457
	62.5/125 µm Multimode	Metallic	Beige	900 µm & 250 µm Fibers, 3 mm Cable	E	5492642-2	408-4457
Duplex LC Clip		Black	—	Package of 6 clips (for use with Simplex kits)	G	1754371-2	—
Duplex SC Clip (Use 2)		Black	—	2 pieces make one clip (for use with Simplex kits)	G	6348522-1	—

Note: Highlighted part numbers are routinely stocked for shortest lead times.

* Able to terminate up to 3 mm jacket.

¹ Dash denotes housing color: -1 Red, -2 Yellow, -3 Green, -4 Blue, -5 Rose, -6 Aqua, -7 Brown, -8 Violet, -9 Orange, 1- -0 Slate.

Note: All part numbers are RoHS compliant.

LIGHTCRIMP No Epoxy, Polish SC and ST Connectors

Product Facts

- No epoxy needed
- Easy installation: strip, crimp, cleave and polish
- Each connector kit comes with accessories needed to terminate to 250 μ m fiber, 900 μ m tight-buffered fiber, and 3 mm cables
 - Duplex part numbers contain two connectors
- Multimode connectors are suitable for use with 50/125 μ m, Laser Optimized (10 Gig) (850 nm LO 50/125 μ m) and 62.5/125 μ m fibers
- Mates with standard couplers, adapters and adapter plates
- Meets TIA/EIA 568-B.3

Performance Characteristics

Insertion Loss — 0.4 dB typical

Temperature Range —
-40°C to 65°C

Durability — 500 cycles



Description			Figure	Part Number	IS Sheet
Simplex SC	Multimode	Ceramic Ferrule	A	5503692-1	408-4066
Duplex SC	Multimode	Ceramic Ferrule	—	5503693-1	408-4066
	Singlemode	Ceramic Ferrule	B	5504000-1	408-9860
ST	Multimode	Stainless Steel Ferrule	C	5504034-1	408-9860
		Ceramic Ferrule	B	5504001-1	408-9860
		Polymer	—	5492168-1	408-9860

Note: All part numbers are RoHS compliant.