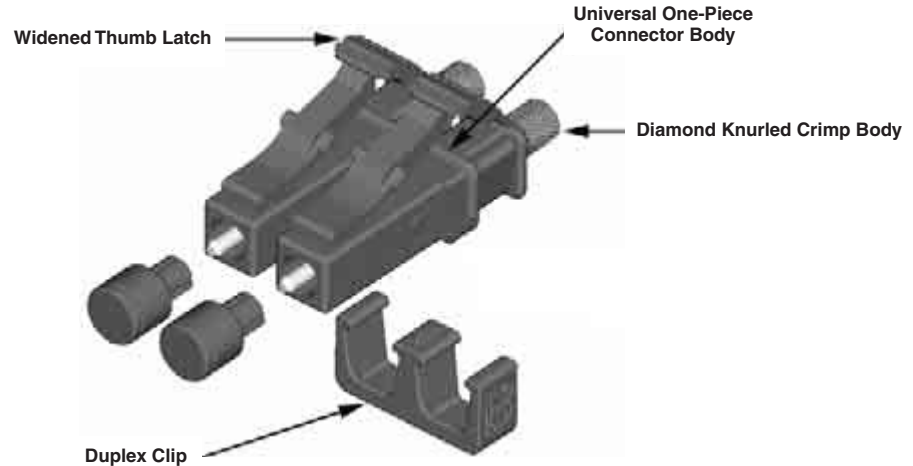


LC Connectors

One-Piece LC Connector

Product Facts

- Singlemode Telecordia GR-326 tested (Report #501-652)
- Multimode TIA/EIA 568-B.3 tested
- Singlemode and Multimode are compatible with both anaerobic adhesives and heat cure epoxy adhesives
- Universal Connector Body
 - Common body for simplex or duplex
 - Common body for jumper or buffer applications
 - Fewer parts to inventory
- Duplex Clip
 - Field installable
 - Makes simplex assemblies duplex
 - Correct polarity errors
 - Used for both jumpers and buffered fiber applications
- One-Piece Body
 - Improved rigidity
 - Improved side-load strength



- Color coded to comply with 568 C
 - Aqua for 50/125 laser optimized
 - Black for standard 50/125
 - Beige for 62.5/125
 - Blue for singlemode

- Widened Thumb Latch
 - Increased hit area
 - Increased bend strength
 - Ramped front latch for snag resistance
- Diamond Knurled Crimp Body
 - Increased tensile proof strength
 - Identical to Tyco Electronics' SC/FC design

Performance Characteristics
 Insertion Loss — 0.2 dB Typical
 Reflectance — -55 dB Typical
 Operating Temperature — -40°C to +75°C
 Durability — 500 Cycles

LC Connector Kits

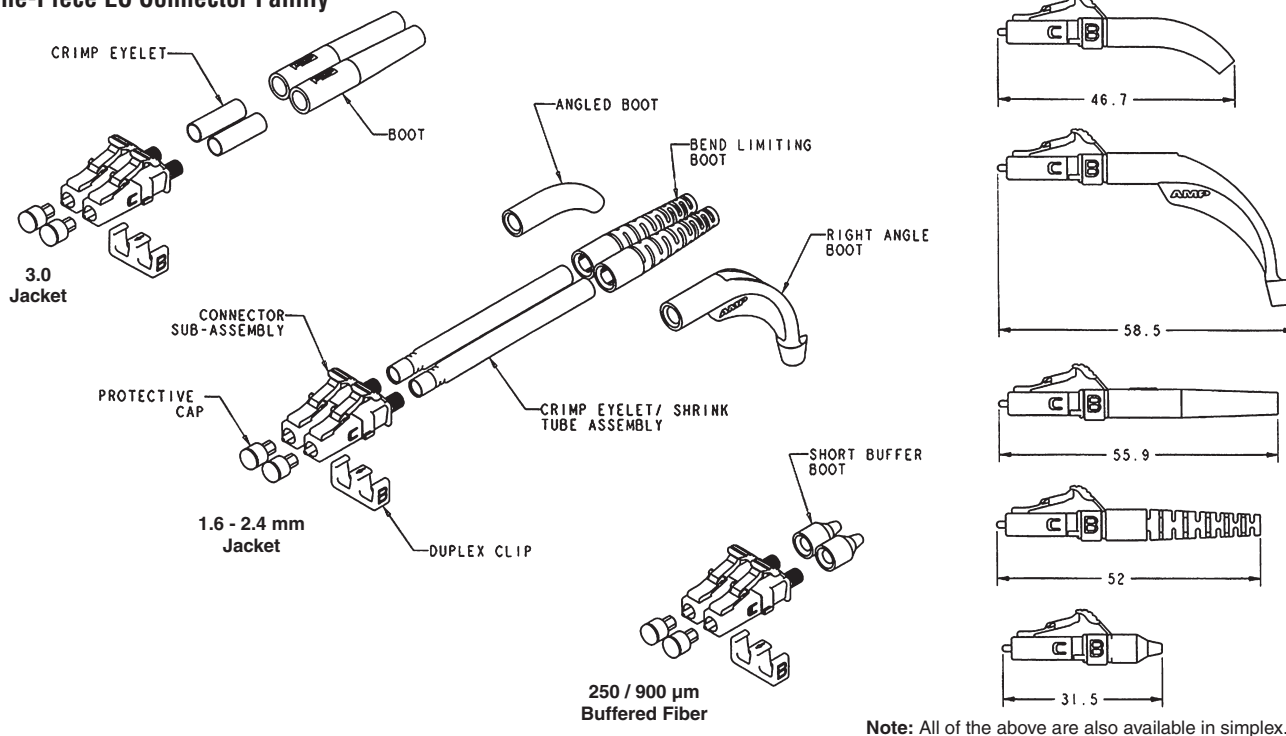
Description	Fiber Type	Housing Color	Boot Color	Used with	Individual Pack Part Number	Bulk Pack Part Number
Simplex	Singlemode	Blue	Blue	900 µm Buffered	1918384-1	1918384-2
				1.6-2.0 mm Jacketed	1918266-1	1918266-2
				3.0 mm Jacketed	1918374-1	1918374-2
		Beige	Aqua	900 µm Buffered	1918385-3	1918385-5
				1.6-2.0 mm Jacketed	1918267-3	1918267-5
				3.0 mm Jacketed	1918375-3	1918375-5
	Multimode	Beige	Black	900 µm Buffered	1918385-4	1918385-6
				1.6-2.0 mm Jacketed	1918267-4	1918267-6
				3.0 mm Jacketed	1918375-4	1918375-6
		Beige	Beige	900 µm Buffered	1918385-1	1918385-2
				1.6-2.0 mm Jacketed	1918267-1	1918267-2
				3.0 mm Jacketed	1918375-1	1918375-2
Duplex	Singlemode	Blue	Blue	900 µm Buffered	1918387-1	1918387-2
				1.6-2.0 mm Jacketed	1918372-1	1918372-2
				3.0 mm Jacketed	1918376-1	1918376-2
		Beige	Aqua	900 µm Buffered	1918388-3	1918388-5
				1.6-2.0 mm Jacketed	1918373-3	1918373-5
				3.0 mm Jacketed	1918377-3	1918377-5
	Multimode	Beige	Black	900 µm Buffered	1918388-4	1918388-6
				1.6-2.0 mm Jacketed	1918373-4	1918373-6
				3.0 mm Jacketed	1918377-4	1918377-6
		Beige	Beige	900 µm Buffered	1918388-1	1918388-2
				1.6-2.0 mm Jacketed	1918373-1	1918373-2
				3.0 mm Jacketed	1918377-1	1918377-2
Duplex Clip	For use with Simplex Kits	Black	—	—	1754371-1	—

Note: All part numbers are RoHS compliant.



LC Connectors (Continued)

One-Piece LC Connector Family



Note: All of the above are also available in simplex.

LC Connector Component Selection Chart (bulk packaged)

Fiber Type	Simplex Connector Assembly & Dust Cap	Duplex Clip	Cable Size	Crimp Eyelet with Heat Shrink	Crimp Eyelet	Strain Relief Description	Strain Relief Part Number (see chart below)
Singlemode (blue hsg.)	1828456-1	1754371-1	1.6-2.0 mm	6374150-1	—	Straight/Bend Limiting	1588153-X
			1.6-2.0 mm	6374150-1	—	Angled	1374737-X
			1.6-2.0 mm	6374150-1	—	50 Degree Angle	6457543-X
			2.4 mm	6588189-1	—	Straight/Bend Limiting	1588153-X
			2.4 mm	6588189-1	—	Angled	1374737-X
			2.4 mm	6588189-1	—	50 Degree Angle	6457543-X
			3.0 mm	—	5504118-3	Straight	502716-X
			900 μ m	—	—	900 μ m Buffer, 10 mm	6588612-X
			1.6-2.0 mm	6374150-1	—	Straight/Bend Limiting	1588153-X
			1.6-2.0 mm	6374150-1	—	Angled	1374737-X
Multimode (beige hsg.)	1754625-1	1754371-1	1.6-2.0 mm	6374150-1	—	50 Degree Angle	6457543-X
			2.4 mm	6588189-1	—	Straight/Bend Limiting	1588153-X
			2.4 mm	6588189-1	—	Angled	1374737-X
			2.4 mm	6588189-1	—	50 Degree Angle	6457543-X
			3.0 mm	—	5504118-3	Straight	502716-X
			900 μ m	—	—	900 μ m Buffer, 10 mm	6588612-X



Crimp Tool Dieset only - 1588175-1
Crimp Tool with Dieset - 1588176-1
Instruction Sheet: 408-8675
<http://www.tycoelectronics.com/documents>

Termination Kit - 1754462-1
Upgrade Kit for Anaerobic terminations - 1754603-1

Strain Relief Color

Base Part Number	Beige	Blue	Black	Red	Aqua
1588153	-5	-2	-3	—	-8
1374737	-2	-1	-3	—	—
6457543	-1	-2	-4	—	—
502716	-3	-4	-1	-5	-11
6588612	-1	-2	-5	-4	-8

Note: All part numbers are RoHS compliant.

LC Connectors (Continued)

Tight Jacketed LC Connectors

Product Facts

- Multimode or singlemode
- Simplex or duplex
- Tested using MIL-PRF-85045/16 2.0 mm cable
- LC Commercial Item Description (CID) interim approval by the Naval Surface Warfare Center, Dahlgren Division

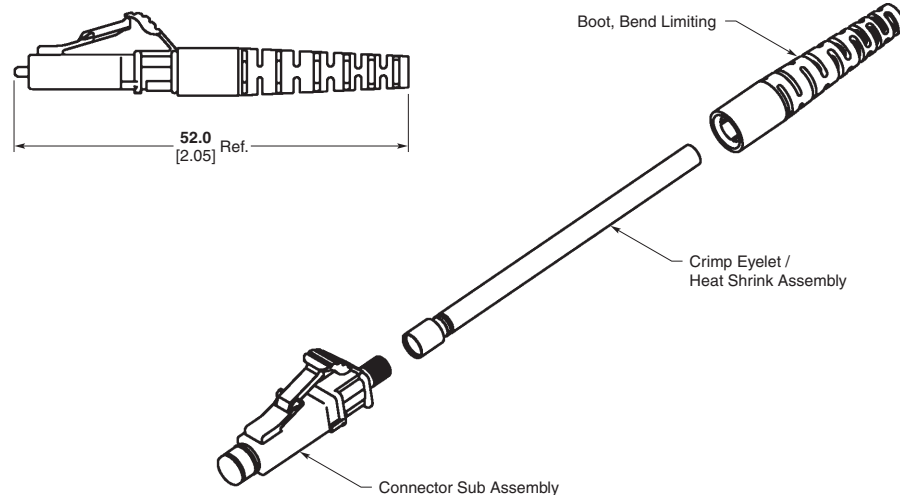
Application

- In Flight Networks
- Shipboard Applications
- Aero Market



The tight jacketed LC Connectors are non pull-proof versions of the standard connectors that are designed for use with tight construction cable. Unlike

standard connectors, this design allows the jacket and buffer to move together, reducing the chances of micro-bends and fiber breakage.



Fiber Type	Kit Part Number	Description
Singlemode (blue body & straight boot)	6828095-X	Simplex, 1.6–2.0 mm
	6828130-X	Duplex, 1.6–2.0 mm
	1918228-X	Simplex, 2.4 mm
Multimode (beige body & straight boot)	6828094-X	Simplex, 1.6–2.0 mm
	6828129-X	Duplex, 1.6–2.0 mm
	1918153-X	Simplex, 2.4 mm

Note: X = -1 for individual package, -2 for bulk package.
Instruction Sheet 408-10014. See <http://www.tycoelectronics.com/documents>.
Duplex Clip Available (Part Number 1754371-1).

Note: All part numbers are RoHS compliant.



Short Boot LC Connector

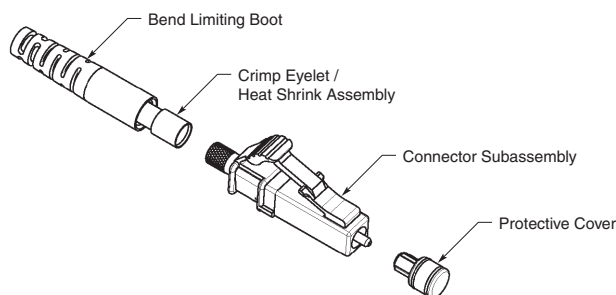
Product Facts

- Overall LC connector length 42.5 mm (compares to 52 mm standard product)
- Multimode or singlemode
- Simplex or duplex
- Anti-snap rear connector latch
- For 1.6 mm to 2.4 mm cable
- GR-326 Small Form-Factor Performance Requirements



The short boot LC connector provides GR-326 level performance while reducing ferrule tip to boot length to 42.5 mm. The 20% reduction in length is ideal for

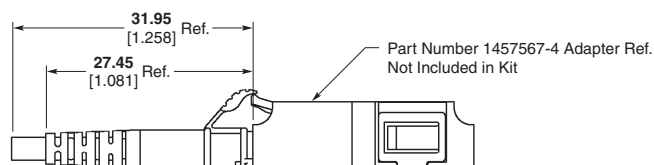
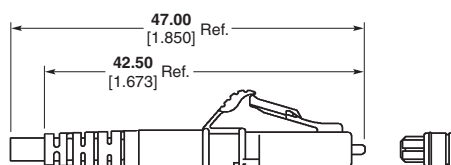
installing in cabinets or other enclosed spaces, protecting against potential mechanical damage from closed cabinet doors.



Fiber Type	Kit Part Number	Description
Singlemode (blue body & straight blue boot)	1918407-X	Simplex, 1.6-2.0 mm
	1918406-X	Duplex, 1.6-2.0 mm
Multimode (beige body & straight beige boot)	1918405-X	Simplex, 1.6-2.0 mm
	1918404-X	Duplex, 1.6-2.0 mm

Note: X = -1 for individual package, -2 for bulk package

The boot (1918403-X) is also sold separately, for use with any Tyco Electronics LC connector.



Note: All part numbers are RoHS compliant.

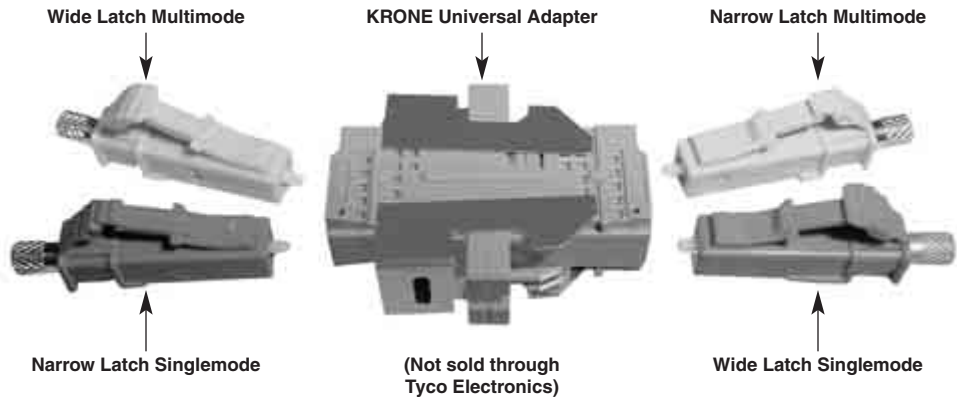
LC Connectors (Continued)



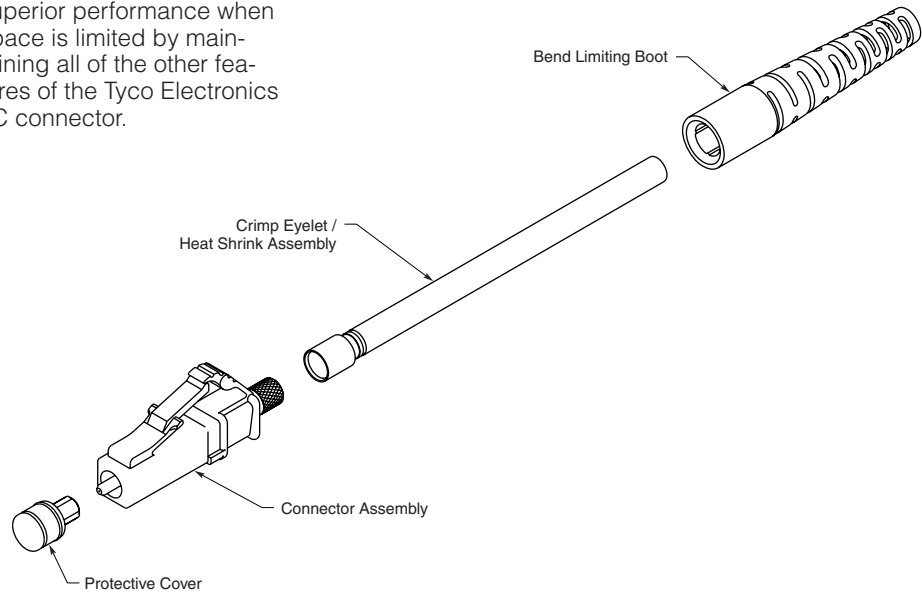
Narrow Latch LC Connector

Product Facts

- One-piece housing
- Reduced thumb latch for tight interconnections
- Mates with Krone universal 1.25 mm adapter
- Multimode or singlemode
- Duplex through use of clip (Part Number 1754371-1)
- Anti-snap rear connector latch
- Subassembly can be used with 900 μ m to 3.0 mm cable
- GR-326 Small Form Factor Performance

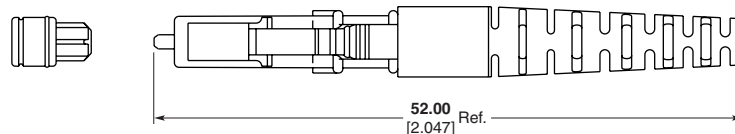


The reduced thumb latch on this connector provides superior performance when space is limited by maintaining all of the other features of the Tyco Electronics LC connector.



Fiber Type	Kit Part Number	Description
Singlemode (Blue Body & Straight Blue Boot)	1918538-X	Simplex, 1.6-2.0 mm
Multimode (Beige Body & Straight Beige Boot)	1918539-X	Simplex, 1.6-2.0 mm

Note: X = -1 for individual package, -2 for bulk package



KRONE is a trademark of KRONE Optical Systems, Inc.

Note: All part numbers are RoHS compliant.



LC/SC Flexible Boot

Product Facts

- Compatible with any Tyco Electronics LC Connector
- Compatible with Tyco Electronics SC Part Numbers 6588714-3 and 6588715-5
- Controls cable radius in limited space environments
- For use with 1.6 to 2.4 mm multimode or singlemode cable
- Requires crimp eyelet with heat shrink (Part Number 6374150-X or 6588189-1)



Base Part Number	Beige	Blue	Black	Red
1918003	-5	-2	-3	—



LC/SC 900 μ m GR-326 Style Boot

Product Facts

- Compatible with any Tyco Electronics LC Connector
- Compatible with Tyco Electronics SC parts 6588714-3 and 6588715-5
- Provides bend limiting support
- For use with 900 μ m multimode or singlemode fiber



Base Part Number	Beige	Blue	Black	Green
1828184	-4	-1	-2	-3

Note: All part numbers are RoHS compliant.

Alignment Sleeve Material	Description	Housing Color	Part Numbers
Metal	Flanged	Beige	1695790-5
Ceramic	Flanged	Blue	1695790-4

Recommended Panel Cutout
Max. Panel Thk. 1.70 [067]

