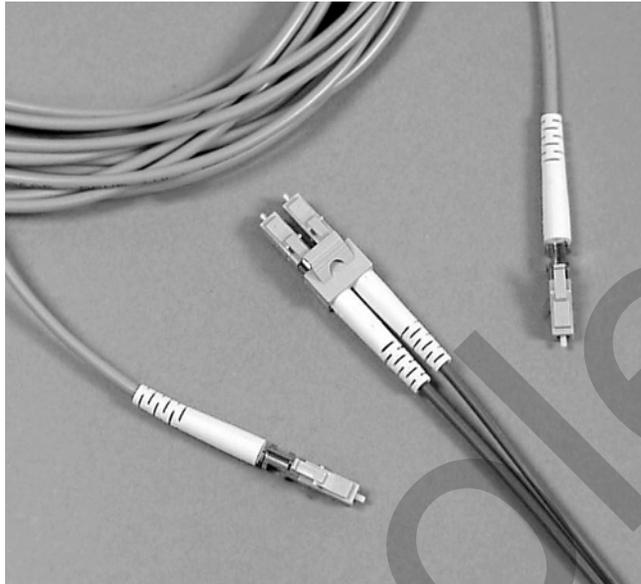




# LC Single-mode and Multimode Cable Assemblies



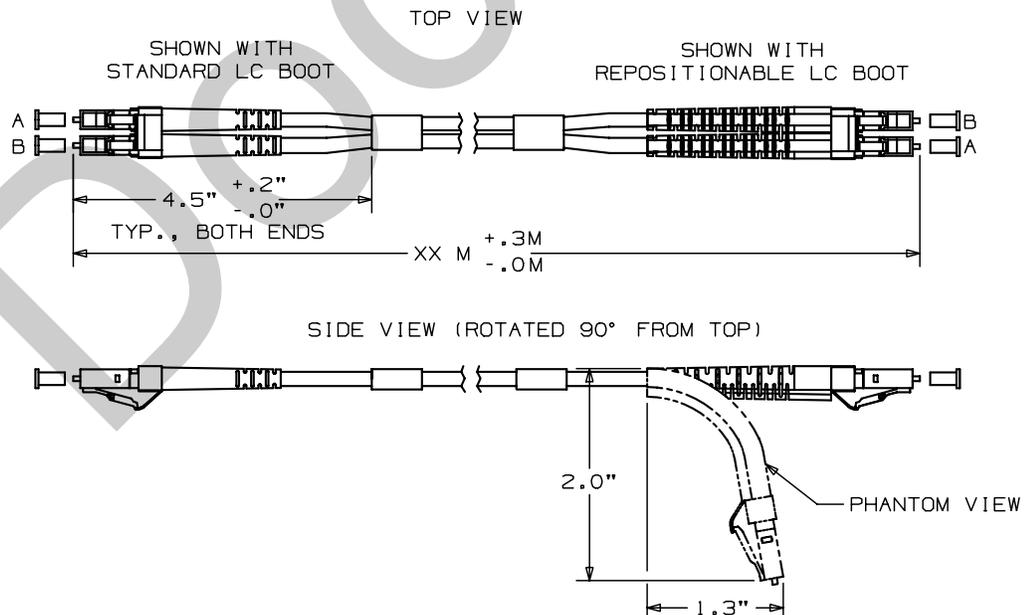
**3M™ LC cable assemblies with a repositionable boot improve cable management in high-density applications.**

3M LC cable assemblies provide high-density connections with cable management for high performance and long-term reliability, especially in backplane applications. The LC connector design provides as much as 50% reduction in space over SC, FC and ST connectors. 3M's repositionable boot directs the cable in any direction so that the cable is managed with a controlled bend and easier routing.

**3M LC multimode cable assemblies with GGP cable provide extra durability in systems that require tight bends.**

3M's exclusive GGP cable provides a unique fiber construction that delivers higher strength in tension and bending in comparison to conventional fibers. The unique permanent primary coating applied over the reduced diameter glass cladding shields the fiber from nicks and scratches during the termination process.

Features	Benefits
Small Form Factor Connector	Saves space on board and in patch panels
Repositionable Boot	Allows cable to be positioned in any direction
Meets TIA/EIA 568-B.3 standard for multimode and Telcordia GR-326, Issue 3 for single-mode	Meets industry standard for highest long term reliability
Available on 3M GGP cable	Provides increased durability with reduced bend radius
100% optically tested	Assures low reflection and low light loss



# Specifications

	Single-mode	Single-mode APC	Multimode
Insertion Loss (one mated pair)	0.1 dB mean, 0.25 dB max	0.15 dB mean, 0.4 dB max	0.1 dB mean, 0.3 dB max
Reflection	<-55 dB	<-70 dB	<-25 dB
Operating Temperature	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)
Mating Durability (500 matings)	<0.2dB change	<0.2dB change	<0.2dB change
Storage Temperature	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)

## Materials and Identification

Ferrule	Zirconia Ceramic
Housing Body	Engineered resin
Boot	Thermoplastic elastomer
Flame Retardancy	UL-94 V-0

## Ordering Information

### Single-mode Connector Codes

DV	LC single-mode with standard boot
DW	LC/APC single-mode with standard boot
DY	LC single-mode with repositionable boot
DZ	LC/APC with repositionable boot

### Single-mode Cable Codes

CU	Single-mode simplex cable, 2.0 mm jacket
CV	Single-mode duplex cable, 2.0 mm jacket

### Multimode Connector Codes

DU	LC multimode with standard boot
DX	LC multimode with repositionable boot

### Multimode Cable Codes

CQ	50/125um multimode simplex cable, 2.0 mm jacket
CR	50/125um multimode duplex cable, 2.0 mm jacket
CC	50/125um GGP multimode duplex cable, 2.4 mm jacket
CS	62.5/125um multimode simplex cable, 2.0 mm jacket
CT	62.5/125um multimode duplex cable, 2.0 mm jacket
CA	62.5/125um GGP multimode duplex cable, 2.4 mm jacket

## Building a Cable Assembly Part Number:

	Connector End 1	Connector End 2	Fiber / Cable Type	Length in meters
A = Single-mode B = Multimode	Choose connector code above	Choose connector code above	Choose cable code above	4-digits in meters

**Example:** LC/APC with repositionable boot on single-mode simplex cable, 10 meters

A	DZ	DZ	CU	0010
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