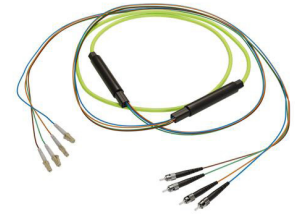


4-Fiber LC UPC to ST UPC,  
OM5 Multimode Indoor Distribution Cable, 4.5mm  
Riser, 2.0mm breakout, Lime Green-10M



## FCA-4M5LCUSTURK2-10

### Features

- 4X LC UPC to 4X ST UPC
- Indoor multimode OM5
- Riser (OFNR) rated cable
- 4.5mm with tight-buffer and aramid yarn strength member
- 2mm TIA 598 color coded, .5M breakout
- Suitable for ceilings and riser areas

### Applications

- Data centers
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- Enterprise Networking
- Storage and cloud based services
- AI data storage and communications
- Headend termination to a fiber backbone
- Terminations of data center fiber rack system

### Description

L-com's FCA-4M5LCUSTURK2-10 fiber optic distribution cable is engineered to provide reliable multimode fiber connectivity for indoor network environments. This cable assembly features a 4-fiber LC UPC to ST UPC configuration, utilizing OM5 multimode fiber with a 50/125  $\mu\text{m}$  core size. Designed with a breakout structure, it ensures organized fiber distribution, making it an ideal choice for data centers, Passive Optical Networks (PON), Local Area Networks (LAN), enterprise networking, storage and cloud-based services, AI data storage and communications, headend termination to a fiber backbone, and data center fiber rack terminations where multi-fiber routing and consistent signal performance are critical.

The 4-fiber multimode breakout cable comes with a 4.5 mm overall diameter lime green riser (OFNR)-rated PVC jacket that meets indoor fire safety standards. Each breakout fiber measures 2.0 mm and follows TIA-598 color coding for easy identification and termination, with a 0.5 m breakout length. This fiber optic distribution cable is constructed with tight-buffered fiber and reinforced with aramid yarn strength members, providing excellent mechanical durability. The cable features controlled bend radii, with a one-time bend radius of 1.329 inches and a repeated bend radius of 2.657 inches, ensuring optimal optical performance during installation and routing. It offers crush resistance values of 1000 N/100 mm (short-term) and 300 N/100 mm (long-term), making it highly suitable for robust indoor deployments.

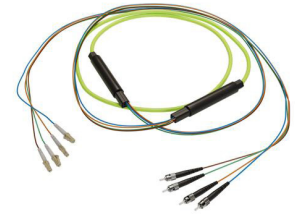
The FCA-4M5LCUSTURK2-10 10-meter OM5 fiber optic assembly uses LC UPC to ST UPC connectors, which ensure low insertion loss and stable return loss performance. The maximum insertion loss is 0.30 dB, with a minimum return loss of 50 dB. Designed for indoor multimode OM5 applications, this riser (OFNR)-rated cable is suitable for indoor ceilings and riser areas. It operates within a temperature range of -20°C to 70°C and has a non-rated ingress protection, ensuring reliable indoor performance.

L-com offers one of the most extensive in-stock selections of fiber optic distribution cables, with same-day shipping available for both domestic and international orders. Order today to take advantage of same-day shipping, and our expert technical support and knowledgeable sales team are available to help you select the 4-fiber LC UPC to ST UPC OM5 multimode distribution cable that fits your needs.

### Configuration

Function	Breakout
Cable Type	Base-4 Single Mode
Mode	Multimode
Mode Class	OM5
Fiber Diameter	50/125 $\mu\text{m}$
Connection 1 Type	LC
Connection 1 Polish	UPC
Connection 2 Type	ST
Connection 2 Polish	UPC
Cable Color	Lime Green

4-Fiber LC UPC to ST UPC,  
OM5 Multimode Indoor Distribution Cable, 4.5mm  
Riser, 2.0mm breakout, Lime Green-10M



## FCA-4M5LCUSTURK2-10

### Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss - LC, ST, SC, FC	30			dB
Insertion Loss - LC, ST, SC, FC			0.3	dB

### Mechanical Specifications

#### Cable Assembly

Length	10 m [393.70 in]
Width/Diameter	4.5 mm
Weight	92.53 g [0.204 lbs]

#### Cable

Cable Type	Breakout
Static Bend Radius	34 mm
Dynamic Bend Radius	67 mm
Max Crush Resistance, Short Term (N/100mm)	1,000
Max Crush Resistance, Long Term (N/100mm)	300

### Connectors

Description	Connector 1	Connector 2
Type	LC	ST
Connector Polish	UPC	UPC

### Environmental Specifications

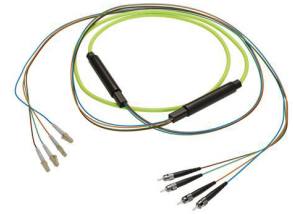
Operating Range Temperature	-20 to +70 deg C
Storage Range Temperature	-40 to +70 deg C
Ingress Protection (IP) Rating	Non-Rated

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

4-Fiber LC UPC to ST UPC,  
OM5 Multimode Indoor Distribution Cable, 4.5mm  
Riser, 2.0mm breakout, Lime Green-10M



## FCA-4M5LCUSTURK2-10

### Typical Performance Data

### How to Order

Part Number Configuration:

**FCA-4M5LCUSTURK2**

**-XX**

**UU**

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: FCA-4M5LCUSTURK2-12 = 12 meters long cable  
FCA-4M5LCUSTURK2-10F = 10 feet long cable

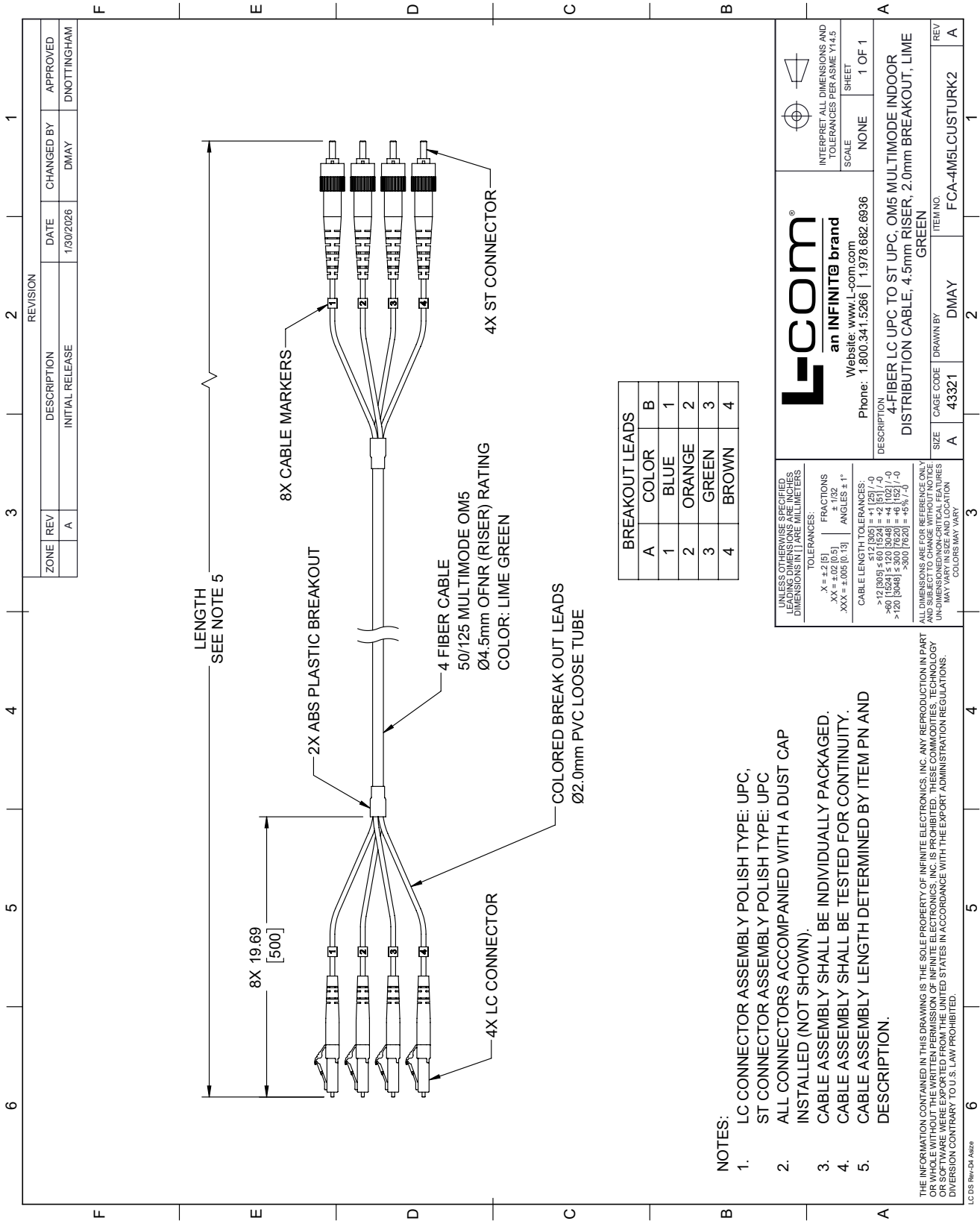
4-Fiber LC UPC to ST UPC, OM5 Multimode Indoor Distribution Cable, 4.5mm Riser, 2.0mm breakout, Lime Green-10M from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/4-fiber-lc-upc-st-upc-om5-multimode-indoor-distribution-cable-4.5mm-riser-2.0mm-breakout-lime-green-10m-fca-4m5lcusturk2-10>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

# FCA-4M5LCUSTURK2-10 CAD Drawing

4-Fiber LC UPC to ST UPC, OM5 Multimode Indoor Distribution Cable, 4.5mm Riser, 2.0mm breakout, Lime Green-10M



REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	INITIAL RELEASE	DMAY	DNOTTINGHAM
	A				

BREAKOUT LEADS	
A	B
1	BLUE
2	ORANGE
3	GREEN
4	BROWN

- NOTES:**
- LC CONNECTOR ASSEMBLY POLISH TYPE: UPC, ST CONNECTOR ASSEMBLY POLISH TYPE: UPC
  - ALL CONNECTORS ACCOMPANIED WITH A DUST CAP INSTALLED (NOT SHOWN).
  - CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.
  - CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
  - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

**L-com**  
an INFINITE brand  
Website: [www.L-com.com](http://www.L-com.com)  
Phone: 1.800.341.5266 | 1.978.682.6936

UNLESS OTHERWISE SPECIFIED, LEAD DIMENSIONS IN INCHES AND DIMENSIONS IN PARENTHESES IN MILLIMETERS.

TOLERANCES:  
 .X = ±.2 (5) FRACTIONS ±.1 (2)  
 .XX = ±.02 (0.5) ANGLES ± 1°  
 .XXX = ±.005 (0.13)

CABLE LENGTH TOLERANCES:  
 >12 (305) ≤ 60 (1524) = ±.125 (-0  
 >60 (1524) ≤ 300 (7620) = ±.152 (-0  
 >120 (3048) ≤ 300 (7620) = ±.152 (-0  
 >300 (7620) = ±.5% (-0)

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY. COLORS MAY VARY.

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
SCALE NONE SHEET 1 OF 1

DESCRIPTION: 4-FIBER LC UPC TO ST UPC, OM5 MULTIMODE INDOOR DISTRIBUTION CABLE, 4.5mm RISER, 2.0mm BREAKOUT, LIME GREEN

ITEM NO. FCA-4M5LCUSTURK2

SIZE A CAGE CODE 43321 DRAWN BY DMAY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

LC DS Rev-04 Add