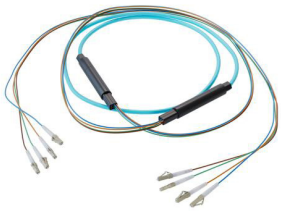
4-Fiber LC UPC to LC UPC, OM3 Multimode Distribution Cable, 4.5mm LSZH, 2.0mm breakout, Aqua-10M



FCA-4M3LCULCUZK2-10

Features

- 4X LC UPC to 4X LC UPC
- Indoor multimode OM3
- Low Smoke Zero Halogen (LSZH) rated cable
- 4.5mm with tight-buffer and aramid yarn strength member
- 2mm TIA 598 color coded, .5M breakout
- Suitable for confined installations where flame resistance is required

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

The L-com FCA-4M3LCULCUZK2-10 is a fiber optic breakout cable assembly that is equipped with 4-fiber LC/UPC to LC/UPC connectors. This breakout cable assembly comes with a multimode OM3 fiber, which is optimized for VCSEL laser sources, making it ideal for 10Gb Ethernet up to 300 meters and 40G/100G Ethernet up to 100 meters, and offers a bandwidth of 2000 MHz·km, ensuring high-speed data transmission with minimal signal loss. The aqua blue fiber optic cable has an LSZH-rated PE jacket and a length of 10 meters.

Our fiber optic breakout cable is a robust and versatile fiber optic assembly designed for high-performance data transmission in various environments. L-com's OM3 breakout fiber assembly guarantees outstanding network performance for enterprise networks, storage area networks (SANs), or high-speed backbones. With an operating temperature range of -20 to 70 degrees C, this cable assembly provides reliable performance across diverse conditions.

This fiber optic cable from L-com is suitable for applications such as 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 terminations of data center fiber rack system. Our breakout cable comes with a cable diameter of 4.5 mm and has an insertion loss of 0.3 dB. Additional dimensions, specifications, and CAD drawings for this 4-fiber cable assembly can be found on its downloadable PDF datasheet.

L-com has one of the largest in-stock selections of LC/UPC to LC/UPC fiber optic breakout cords for international and domestic orders. We are committed to delivering excellent service to support our customers in maintaining the continuity and reliability of their networks. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal OM3 multimode fiber optic cable that meets your requirements.

Configuration

Function	Breakout
Cable Type	Base-4 Multimode
Mode	Multimode
Mode Class	OM3
Fiber Diameter	50/125 µm
Connection 1 Type	LC
Connection 1 Polish	UPC
Connection 2 Type	LC
Connection 2 Polish	UPC
Cable Color	Aqua Blue

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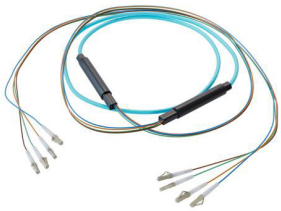

FCA-4M3LCULCUZK2-10

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	83.46 g [0.184 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	LC
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:

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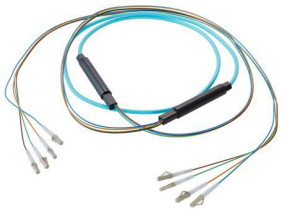

FCA-4M3LCULCUZK2-10

Typical Performance Data

How to Order

Part Number Configuration: **FCA-4M3LCULCUZK2** **-XX** **UU**

- UU — Unit of Measure:
  F = Feet
  <blank> = Meters
- XX — Lengths
- FCA-4M3LCULCUZK2 — Base Number

Example: FCA-4M3LCULCUZK2-12 = 12 meters long cable
FCA-4M3LCULCUZK2-10F = 10 feet long cable

4-Fiber LC UPC to LC UPC, OM3 Multimode Distribution Cable, 4.5mm LSZH, 2.0mm breakout, Aqua-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-lc-upc-om3-multimode-distribution-cable-4.5mm-lszh-2.0mm-breakout-aqua-10m-fca-4m3lcul-cuzk2-10-p.aspx

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 impliment 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.

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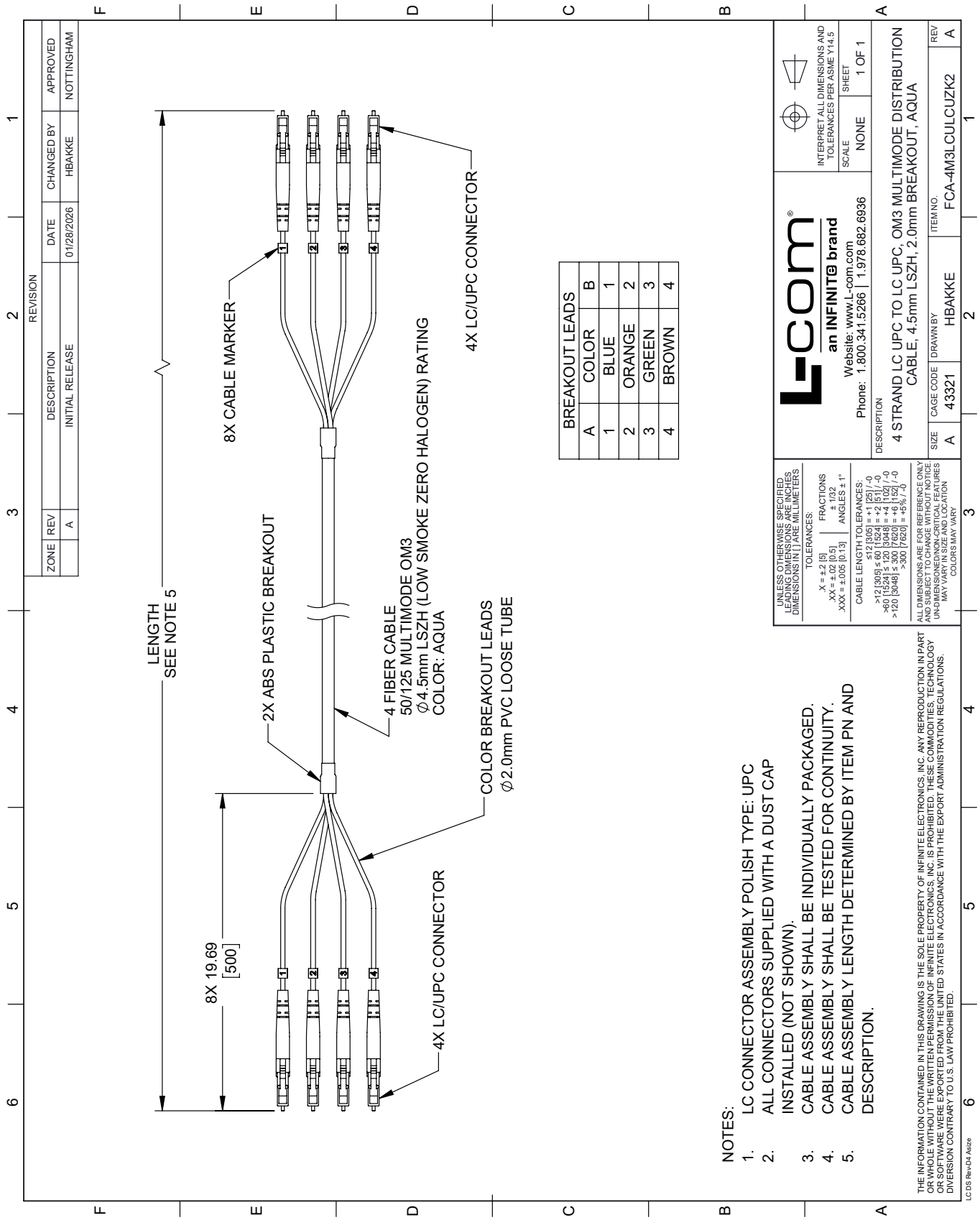
FCA-4M3LCULCUZK2-10 CAD Drawing

4-Fiber LC UPC to LC UPC, OM3 Multimode Distribution Cable, 4.5mm LSZH, 2.0mm breakout, Aqua-10M



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