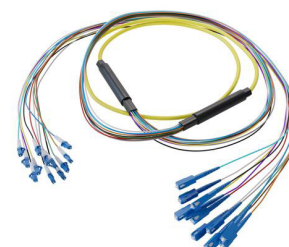


12-Fiber LC UPC to SC UPC, OS2 Single Mode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Yellow-25M



FCA-12S2LCUSCUZK2-25

Features

- 12X LC UPC to 12X SC UPC
- Indoor single mode OS2
- Low Smoke Zero Halogen (LSZH) rated cable
- 6.2mm 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

L-com's FCA-12S2LCUSCUZK2-25 is a fiber optic breakout cable that is built with 12-fiber LC/UPC to SC/UPC connectors. This cable assembly comes with single mode OS2 fiber that offers stable, high-speed transmission over short distances. Our yellow fiber optic cable assembly has an LSZH-rated PE jacket. Make your online purchase right now to take advantage of our same business day shipping.

This 12-fiber fiber optic cable has a fiber diameter of 9/125 μm and a cable diameter of 6.2 mm. With an operating temperature range of -20 to 70 degrees C, this cable provides reliable performance across diverse conditions. Our single mode cable assembly 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..

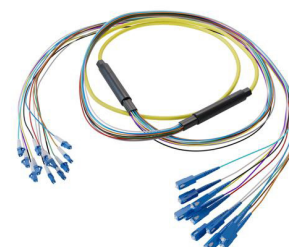
Our fiber optic cable assembly can be customized in different lengths to fit specific installation needs, ensuring efficient network management in high-density setups without compromising delivery time or quality. L-com's FCA-12S2LCUSCUZK2-25 single mode cable has a maximum insertion loss of 0.3 dB. Additional dimensions, specifications, and CAD drawings for this 12-fiber fiber optic cable can be found on its downloadable PDF datasheet.

L-com has one of the largest in-stock selections of single mode LC/UPC fiber optic cable assemblies 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 12-fiber LC/UPC to SC/UPC cable that meets your requirements.

Configuration

Function	Breakout
Cable Type	Base-12 Single Mode
Mode	Single Mode
Mode Class	OS2
Fiber Diameter	9/125 μm
Connection 1 Type	LC
Connection 1 Polish	UPC
Connection 2 Type	SC
Connection 2 Polish	UPC
Cable Color	Yellow

12-Fiber LC UPC to SC UPC, OS2 Single Mode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Yellow-25M



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Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss - LC, ST, SC, FC	50			dB
Insertion Loss - LC, ST, SC, FC			0.3	dB

Mechanical Specifications

Cable Assembly

Length	25 m [984.25 in]
Width/Diameter	6.2 mm
Weight	271.25 g [0.598 lbs]

Cable

Cable Type	Breakout
Static Bend Radius	47 mm
Dynamic Bend Radius	93 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	SC
Connector Polish	UPC	UPC

Environmental Specifications

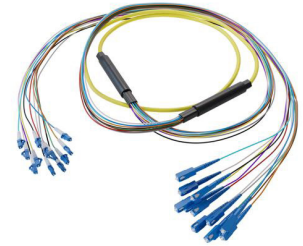
Operating Range Temperature	-20 to +70 deg C
Storage Range Temperature	-40 to +70 deg C
Ingress Protection (IP) Rating	Non-Rated

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

Plotted and Other Data

Notes:

12-Fiber LC UPC to SC UPC, OS2 Single Mode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Yellow-25M



FCA-12S2LCUSCUZK2-25

Typical Performance Data

How to Order

Part Number Configuration:

FCA-12S2LCUSCUZK2

-XX

UU

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: FCA-12S2LCUSCUZK2-12 = 12 meters long cable
FCA-12S2LCUSCUZK2-10F = 10 feet long cable

12-Fiber LC UPC to SC UPC, OS2 Single Mode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Yellow-25M 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/12-fiber-lc-upc-sc-upc-os2-single-mode-distribution-cable-6.2mm-lszh-2.0mm-breakout-yellow-25m-fca-12s2l-cuscu2k2-25>

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-12S2LCUSCUZK2-25 CAD Drawing

12-Fiber LC UPC to SC UPC, OS2 Single Mode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Yellow-25M

