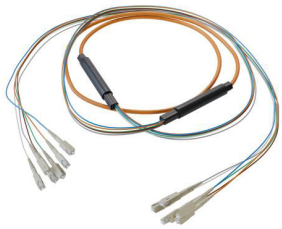
6-Fiber SC UPC to SC UPC, OM1 Multimode Distribution Cable, 5.0mm LSZH, 2.0mm breakout, Orange-25M



FCA-6M1SCUSCUZK2-25

Features

- 6X SC UPC to 6X SC UPC
- Indoor multimode OM1
- Low Smoke Zero Halogen (LSZH) rated cable
- 5.0mm 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-6M1SCUSCUZK2-25 fiber optic distribution cable is designed to support dependable multimode fiber connectivity in indoor network environments. This cable assembly features a 6-fiber SC UPC to SC UPC configuration using OM1 multimode fiber with a 62.5/125 µm core size. Our fiber optic cable has a breakout design that supports organized fiber distribution and is commonly used in data centers, enterprise networks, and LAN applications where multi-fiber routing and signal consistency are required. This 6-fiber multimode breakout cable is constructed with a 5.0 mm overall diameter orange low smoke zero halogen (LSZH)-rated PE jacket to meet indoor fire safety requirements. Each breakout fiber measures 2.0 mm and follows TIA-598 color coding for simplified identification and termination, with a 0.5 m breakout length.

Our fiber optic distribution cable features tight-buffered fiber construction with aramid yarn that provides mechanical durability, while controlled one-time and repeated bend radius values of 1.969 in and 3.937 in respectively help maintain optical performance during installation and routing. The cable also offers short-term and long-term crush resistance values of 1000 N/100 mm and 300 N/100 mm to support robust indoor deployment. The FCA-6M1SCUSCUZK2-25 OM1 fiber optic cable assembly uses SC UPC connectors on both ends to support low insertion loss and stable return loss performance, with a maximum insertion loss of 0.30 dB and a minimum return loss of 30 dB.

This 25 m OM1 multimode fiber assembly is suitable for 100 Mb Ethernet applications and supports 10 Gb Ethernet transmission over short distances. Typical deployment environments include data centers, enterprise networks, LAN systems, Passive Optical Networks (PON), storage and cloud-based services, AI data storage and communications, headend termination to a fiber backbone, and terminations of data center fiber rack systems. This cable operates from -20°C to 70°C and is designed for indoor wall, ceiling, conduit, and rack-to-rack installations, with no ingress protection rating.

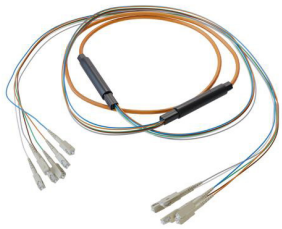
L-com offers one of the largest in-stock selections of multimode distribution cables, with same-day shipment available for domestic and international orders. Make your online purchase today to take advantage of our same-day shipping. Our expert technical support and knowledgeable sales team are ready to assist you in selecting the 6-fiber SC UPC to SC UPC OM1 multimode distribution cable that meets your needs.

Configuration

Function	Breakout
Cable Type	Base-6 Multimode
Mode	Multimode
Mode Class	OM1
Fiber Diameter	62.5/125 um
Connection 1 Type	SC
Connection 1 Polish	UPC
Connection 2 Type	SC
Connection 2 Polish	UPC
Cable Color	Orange

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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	25 m [984.25 in]
Width/Diameter	5 mm
Weight	182.34 g [0.402 lbs]

Cable

Cable Type	Breakout
Static Bend Radius	50 mm
Dynamic Bend Radius	100 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	SC	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

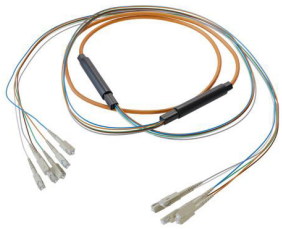
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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FCA-6M1SCUSCUZK2-25

Typical Performance Data

How to Order

Part Number Configuration: **FCA-6M1SCUSCUZK2** **-XX** **UU**

- UU — Unit of Measure:
  F = Feet
  <blank> = Meters
- -XX — Lengths
- FCA-6M1SCUSCUZK2 — Base Number

Example: FCA-6M1SCUSCUZK2-12 = 12 meters long cable
FCA-6M1SCUSCUZK2-10F = 10 feet long cable

6-Fiber SC UPC to SC UPC, OM1 Multimode Distribution Cable, 5.0mm LSZH, 2.0mm breakout, Orange-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.

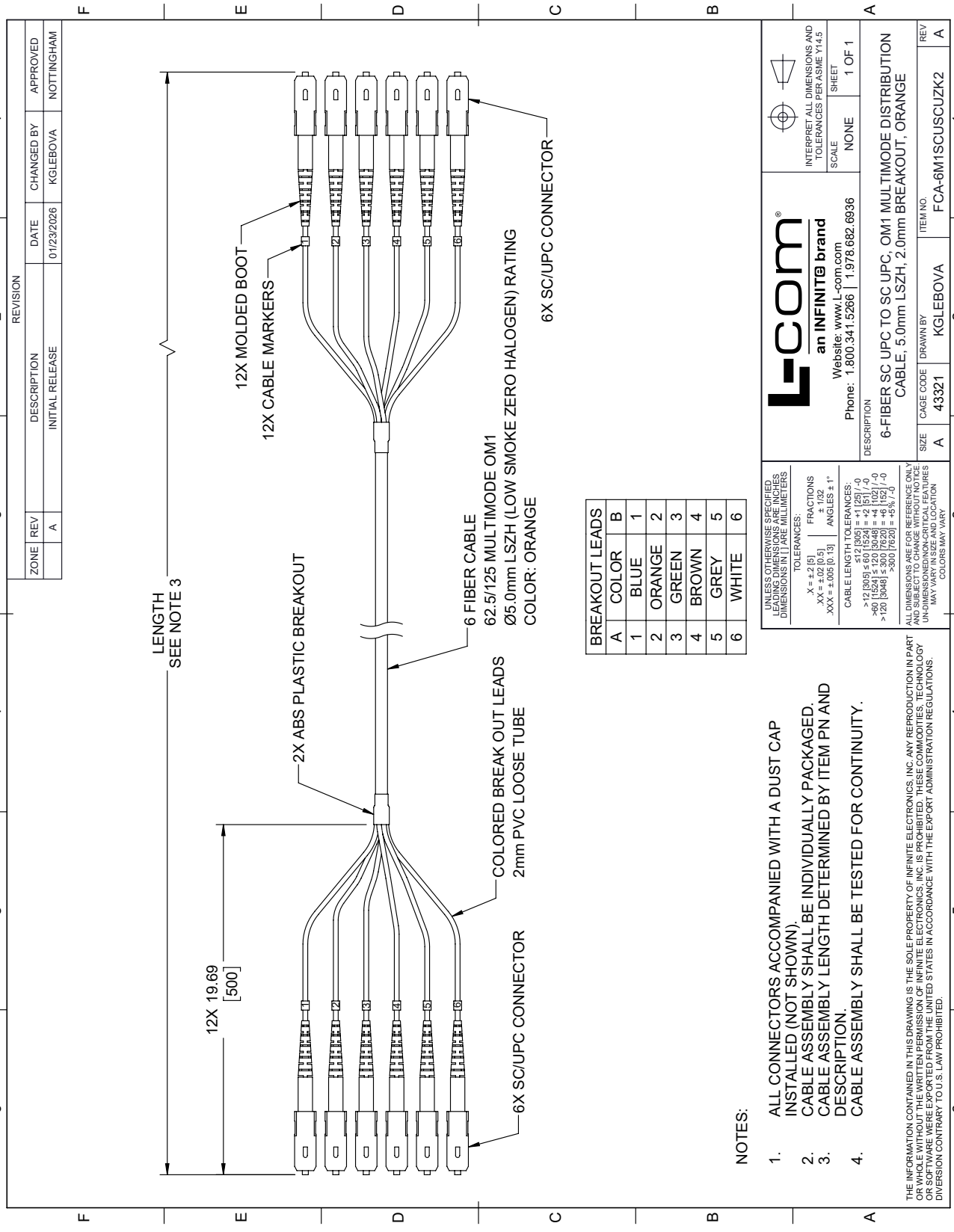
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FCA-6M1SCUSCUZK2-25 CAD Drawing

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