

Fiber Optic Patch Cable, Simplex FC UPC, NK to SC UPC, SM OS2, 2.0mm LSZH, Yellow-7M



FCA-1S2FCUSCUZ2-7

Features

- Single Mode OS2 fiber optic cable assembly
- Simplex FC UPC to SC UPC
- Indoor Low Smoke Zero Halogen (LSZH) cable
- Suitable for confined installations where flame resistance is required
- Custom lengths available with the same fast delivery

Applications

- Telecom & Networking
- Data Centers
- Fiber Optic Test & Measurement
- Medical & Biomedical
- Military & Defense
- Industrial Automation & Sensing
- Scientific Research & High-Precision Optical Systems

Description

The FCA-1S2FCUSCUZ2-7 from L-com is a fiber optic patch cable that is equipped with simplex FC/UPC to SC/UPC connectors. This cable comes with a single mode OS2 fiber that offers stable, high-speed transmission over long distances. Our yellow fiber optic cable assembly has an LSZH-rated PE jacket.

This 7-meter-long simplex fiber optic cable has a fiber diameter of 9/125 μm and a cable diameter of 2 mm. With an operating temperature range of -20 to 70 degrees C, this cable provides reliable performance across diverse conditions. Our patch cable assembly is suitable for applications such as telecom and networking, data centers, enterprise and corporate networks, broadcasting and media production, military and defense, healthcare and medical imaging, transportation and rail, and oil and gas.

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-1S2FCUSCUZ2-7 patch cable has a maximum insertion loss of 0.3 dB. Additional dimensions, specifications, and CAD drawings for this simplex fiber optic cable can be found on its downloadable PDF datasheet.

L-com has one of the largest in-stock selections of single mode OS2 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 simplex FC/UPC to SC/UPC patch cable that meets your requirements.

Configuration

Function	Patch
Cable Type	Simplex Single Mode
Mode	Single Mode
Mode Class	OS2
Fiber Diameter	9/125 μm
Connection 1 Type	FC
Connection 1 Polish	UPC
Connection 2 Type	SC
Connection 2 Polish	UPC
Cable Color	Yellow

Optical Specifications

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

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Optical Specifications

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

Mechanical Specifications

Cable Assembly

Length	7 m [275.59 in]
Width/Diameter	2 mm
Weight	13.15 g [0.029 lbs]

Cable

Cable Type	Patch
Static Bend Radius	15 mm
Dynamic Bend Radius	30 mm
Max Crush Resistance, Short Term (N/100mm)	200
Max Crush Resistance, Long Term (N/100mm)	50

Connectors

Description	Connector 1	Connector 2
Type	FC	SC
Specification	Key with of 1.95mm-2.05mm	
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:

Fiber Optic Patch Cable, Simplex FC UPC, NK to SC UPC, SM OS2, 2.0mm LSZH, Yellow-7M



FCA-1S2FCUSCUZ2-7

Typical Performance Data

How to Order

Part Number Configuration:

FCA-1S2FCUSCUZ2

-XX

UU

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: FCA-1S2FCUSCUZ2-12 = 12 meters long cable
FCA-1S2FCUSCUZ2-10F = 10 feet long cable

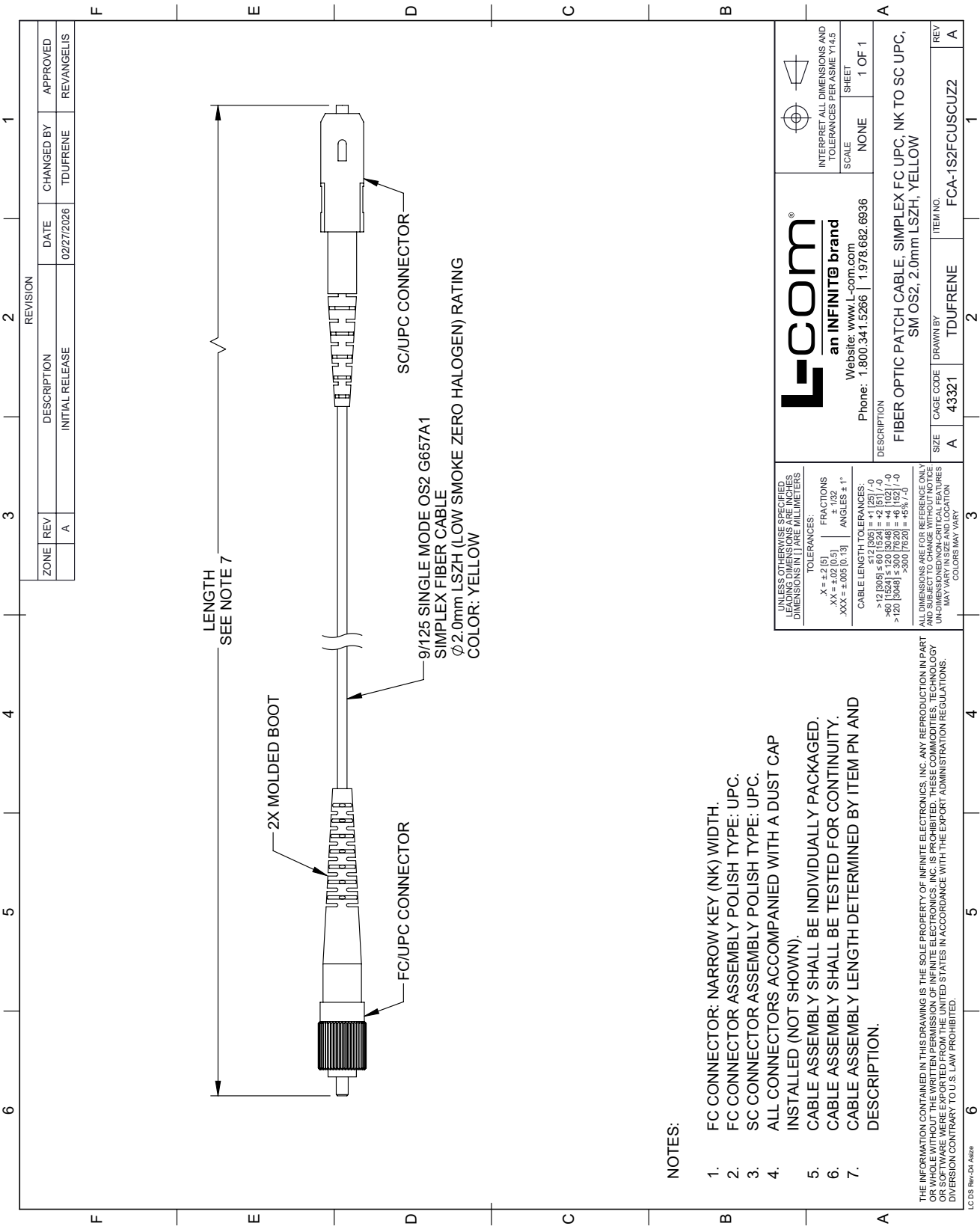
Fiber Optic Patch Cable, Simplex FC UPC, NK to SC UPC, SM OS2, 2.0mm LSZH, Yellow-7M from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/fiber-optic-patch-cable-simplex-fc-upc-nk-sc-upc-sm-os2-2.0mm-lszh-yellow-7m-fca-1s2fcuscu2-7>

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-1S2FCUSCUZ2-7 CAD Drawing

Fiber Optic Patch Cable, Simplex FC UPC, NK to SC UPC, SM OS2, 2.0mm LSZH, Yellow-7M



LENGTH

SEE NOTE 7

2X MOLDED BOOT

FC/UPC CONNECTOR

9/125 SINGLE MODE OS2 G657A1
SIMPLEX FIBER CABLE
Ø2.0mm LSZH (LOW SMOKE ZERO HALOGEN) RATING
COLOR: YELLOW

SC/UPC CONNECTOR

NOTES:

1. FC CONNECTOR: NARROW KEY (NK) WIDTH.

2. FC CONNECTOR ASSEMBLY POLISH TYPE: UPC.

3. SC CONNECTOR ASSEMBLY POLISH TYPE: UPC.

4. ALL CONNECTORS ACCOMPANIED WITH A DUST CAP
INSTALLED (NOT SHOWN).

5. CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

6. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

7. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND
DESCRIPTION.

UNLESS OTHERWISE SPECIFIED,
LEADING DIMENSIONS AND FINISHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
X = ±2 [5] FRACTIONS
XX = ±0.02 [0.5] ± 1/32
XXX = ±0.05 [0.13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:
≤12 [305] ± 0.01 [1524] = ±2 [51] /-0
>12 [305] ≤ 60 [1524] ± 0.01 [1524] = ±2 [51] /-0
>60 [1524] ≤ 120 [3048] ± 0.02 [508] = ±4 [102] /-0
>120 [3048] ≤ 300 [7620] ± 0.03 [762] = ±6 [152] /-0
>300 [7620] ± 0.04 [1016] = ±8 [203] /-0

INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE NONE

SHEET 1 OF 1

DESCRIPTION

FIBER OPTIC PATCH CABLE, SIMPLEX FC UPC, NK TO SC UPC,
SM OS2, 2.0mm LSZH, YELLOW

ITEM NO.

FCA-1S2FCUSCUZ2

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