

## Fiber Optic Patch Cable, Duplex LC APC to LC APC, SM OS2, 2.0mm Riser, Yellow-7M



### FCA-2S2LCALCAR2-7

#### Features

- OS2 Single Mode G657A1 fiber optic cable assembly
- Duplex LC/APC to Duplex LC/APC
- 2.0mm x 4.1mm Riser rated cable for indoor applications
- Custom lengths available with the same fast delivery.

#### Applications

- Telecom & Networking
- Data Centers
- Enterprise and Corporate Networks
- Broadcasting & Media Production
- Military & Defense
- Healthcare & Medical Imaging
- Transportation & Rail
- Oil & Gas

#### Description

The L-com FCA-2S2LCALCAR2-7 is a fiber optic patch cable assembly that is equipped with dual LC/APC to dual LC/APC connectors. This cable assembly comes with a single mode OS2 fiber that offers stable, high-speed transmission over long distances. The yellow fiber optic cable assembly has an OFNR-rated PVC jacket and a cable length of 7 meters.

Our fiber optic cable 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-2S2LCALCAR2-7 patch cable has a maximum insertion loss of 0.3 dB. 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 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 patch cable comes with a fiber diameter of 9/125  $\mu\text{m}$  and a cable diameter of 2 mm. Additional dimensions, specifications, and CAD drawings for this duplex fiber optic cord can be found on its downloadable PDF datasheet.

L-com has one of the largest in-stock selections of dual LC/APC to dual LC/APC fiber optic patch 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 OS2 single mode fiber optic cable that meets your requirements.

#### Configuration

|                     |                     |
|---------------------|---------------------|
| Function            | Patch               |
| Cable Type          | Duplex Single Mode  |
| Mode                | Single Mode         |
| Mode Class          | OS2                 |
| Fiber Diameter      | 9/125 $\mu\text{m}$ |
| Connection 1 Type   | LC                  |
| Connection 1 Polish | APC                 |
| Connection 2 Type   | LC                  |
| Connection 2 Polish | APC                 |
| Cable Color         | Yellow              |

#### Optical Specifications

| Description                  | Minimum | Typical | Maximum | Units |
|------------------------------|---------|---------|---------|-------|
| Return Loss - LC, ST, SC, FC | 60      |         |         | dB    |

Fiber Optic Patch Cable, Duplex LC APC to LC  
APC, SM OS2, 2.0mm Riser, Yellow-7M



## FCA-2S2LCALCAR2-7

### 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         | 12.25 g [0.027 lbs] |

#### Cable

|                                            |       |
|--------------------------------------------|-------|
| Cable Type                                 | Patch |
| Static Bend Radius                         | 15 mm |
| Dynamic Bend Radius                        | 30 mm |
| Max Crush Resistance, Short Term (N/100mm) | 300   |
| Max Crush Resistance, Long Term (N/100mm)  | 100   |

### Connectors

| Description      | Connector 1 | Connector 2 |
|------------------|-------------|-------------|
| Type             | LC          | LC          |
| Connector Polish | APC         | APC         |

### 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, Duplex LC APC to LC APC, SM OS2, 2.0mm Riser, Yellow-7M



## FCA-2S2LCALCAR2-7

### Typical Performance Data

### How to Order

Part Number Configuration:

**FCA-2S2LCALCAR2**

**-XX**

**UU**

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: FCA-2S2LCALCAR2-12 = 12 meters long cable  
FCA-2S2LCALCAR2-10F = 10 feet long cable

Fiber Optic Patch Cable, Duplex LC APC to LC APC, SM OS2, 2.0mm Riser, 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-duplex-lc-apc-lc-apc-sm-os2-2.0mm-riser-yellow-7m-fca-2s2lcalcar2-7>

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-2S2LCALCAR2-7 CAD Drawing
Fiber Optic Patch Cable, Duplex LC APC to LC APC, SM OS2, 2.0mm Riser, Yellow-7M

