

## Fiber Optic Patch Cable, Duplex LC UPC to LC UPC, MM OM3, 2.0mm LSZH cable, Aqua



### PE3FCA057

#### Features

- OM3 multimode fiber optic cable assembly
- Duplex LC/UPC to duplex LC/UPC
- 2.0mm x 4.1mm LSZH (low smoke zero halogen) 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 PE3FCA057 fiber optic patch cord is a high-performance OM3 fiber optic cable assembly designed for efficient data transmission across a range of demanding environments. Equipped with duplex LC/UPC to duplex LC/UPC connectors, this duplex OM3 multimode fiber optic patch cable is engineered for indoor applications, featuring a LSZH (low smoke zero halogen) rating that meets fire and safety standards. Its 2.0mm x 4.1mm zipcord and aqua color make it easy to manage within complex network infrastructures. With an operating temperature range of -20° to +70°C and storage temperature of -40° to +70°C, this fiber optic jumper is built to perform reliably across diverse conditions.

As an OM3 fiber optic jumper, the PE3FCA057 is optimized for high-speed, high-bandwidth data transfer, supporting faster, longer-distance connectivity compared to OM1 fiber. This makes it ideal for applications such as Telecom & Networking, Data Centers, and Enterprise and Corporate Networks where extended reach and performance are critical. Custom lengths are available, allowing the fiber patch cable to be tailored to unique installation needs without affecting delivery times or quality.

In addition to networking, the PE3FCA057 OM3 fiber patch cord is well-suited for industries such as Broadcasting & Media Production, Military & Defense, and Healthcare & Medical Imaging. This fiber assembly offers an adaptable and durable solution for any application requiring dependable, high-speed data transmission in indoor environments.

#### Configuration

|                     |                  |
|---------------------|------------------|
| Function            | Patch            |
| Cable Type          | Duplex Multimode |
| Mode                | Multimode        |
| Mode Class          | OM3              |
| Fiber Diameter      | 50/125 um        |
| Connection 1 Type   | LC               |
| Connection 1 Polish | UPC              |
| Connection 2 Type   | LC               |
| Connection 2 Polish | UPC              |
| Cable Color         | Aqua Blue        |

#### Optical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------|---------|---------|---------|-------|
| Return Loss | 30      |         |         | dB    |

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## PE3FCA057

### Optical Specifications

| Description    | Minimum | Typical | Maximum | Units |
|----------------|---------|---------|---------|-------|
| Insertion Loss |         |         | 0.3     | dB    |

### Mechanical Specifications

#### Cable Assembly

|                |                     |
|----------------|---------------------|
| Width/Diameter | 2 mm                |
| Weight         | 294.84 g [0.65 lbs] |

#### Cable

|                                            |       |
|--------------------------------------------|-------|
| Cable Type                                 | Patch |
| Static Bend Radius                         | 20 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 | 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, Duplex LC UPC to LC  
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## PE3FCA057

### Typical Performance Data

### How to Order

Part Number Configuration:

**PE3FCA057**

**- xx**

**uu**

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA057-12 = 12 inches long cable  
PE3FCA057-100cm = 100 cm long cable

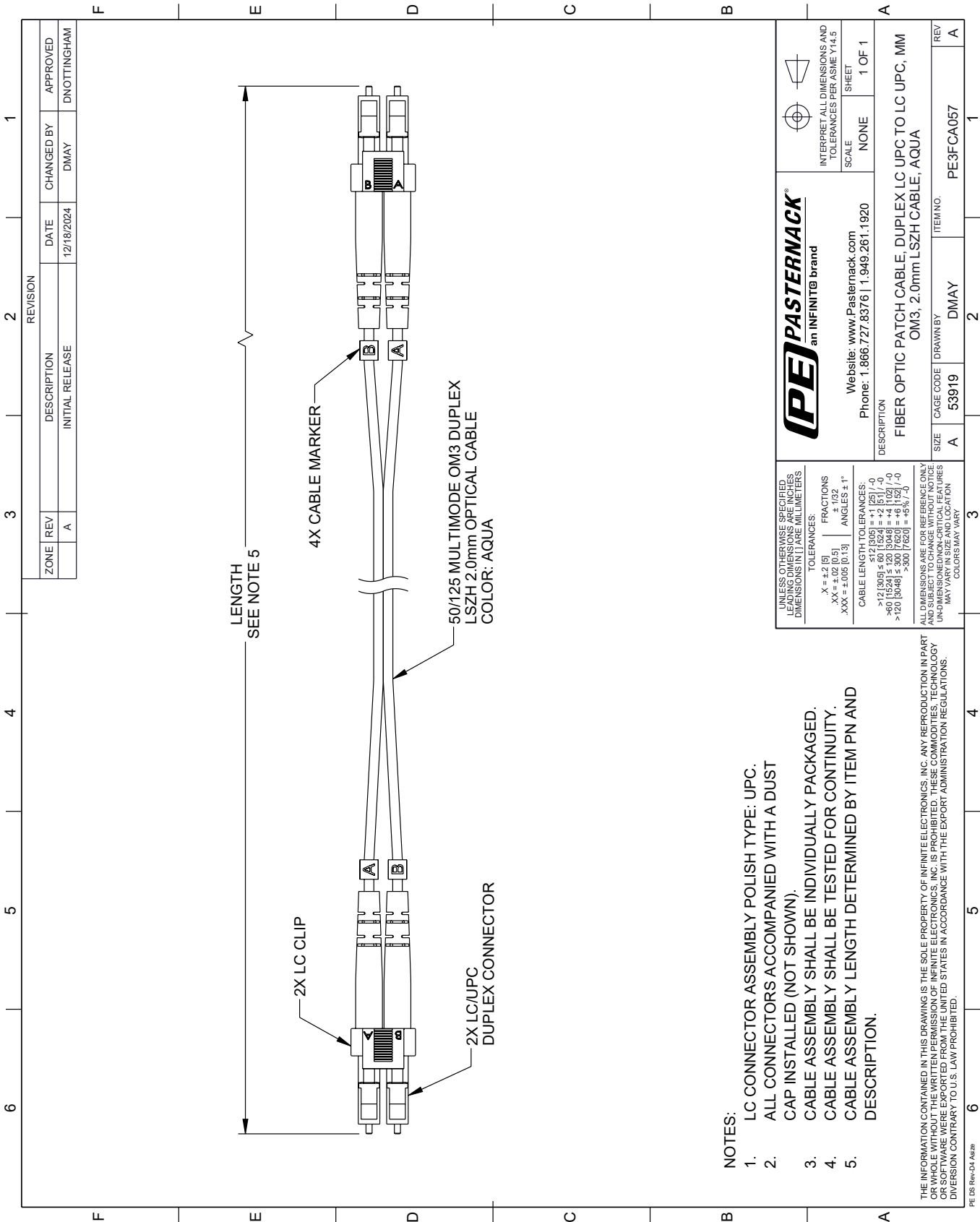
Fiber Optic Patch Cable, Duplex LC UPC to LC UPC, MM OM3, 2.0mm LSZH cable, Aqua from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Fiber Optic Patch Cable, Duplex LC UPC to LC UPC, MM OM3, 2.0mm LSZH cable, Aqua PE3FCA057](#)

URL: <https://www.pasternack.com/lc-lc-multimode-fiber-optic-cable-assembly-pe3fca057-p.aspx>

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PE3FCA057 CAD Drawing
Fiber Optic Patch Cable, Duplex LC UPC to LC UPC, MM OM3, 2.0mm LSZH cable, Aqua



- NOTES:
- 1. LC CONNECTOR ASSEMBLY POLISH TYPE: UPC.
  - 2. ALL CONNECTORS ACCOMPANIED WITH A DUST CAP INSTALLED (NOT SHOWN).
  - 3. CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.
  - 4. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
  - 5. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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|                                                                                                                                                                            |  |                                                                                  |  |                                                        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|--|--------------------------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.                                                                                   |  | <b>PE PASTERNAK</b><br>an INFINITE brand                                         |  | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 |  |
| TOLERANCES:                                                                                                                                                                |  | Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a>              |  | SCALE                                                  |  |
| .X = ±.2 [5]                                                                                                                                                               |  | Phone: 1.866.727.8376   1.949.261.1920                                           |  | NONE                                                   |  |
| .XX = ±.02 [0.5]                                                                                                                                                           |  |                                                                                  |  | SHEET                                                  |  |
| .XXX = ±.005 [0.13]                                                                                                                                                        |  |                                                                                  |  | 1 OF 1                                                 |  |
| ANGLES ± 1°                                                                                                                                                                |  |                                                                                  |  |                                                        |  |
| CABLE LENGTH TOLERANCES:                                                                                                                                                   |  | DESCRIPTION                                                                      |  |                                                        |  |
| <12 [305] = ±1 [25] / -0                                                                                                                                                   |  | FIBER OPTIC PATCH CABLE; DUPLEX LC UPC TO LC UPC, MM OM3, 2.0mm LSZH CABLE, AQUA |  |                                                        |  |
| >12 [305] ≤ 60 [1524] = +2 [51] / -0                                                                                                                                       |  |                                                                                  |  |                                                        |  |
| >60 [1524] ≤ 120 [3048] = +4 [102] / -0                                                                                                                                    |  |                                                                                  |  |                                                        |  |
| >120 [3048] ≤ 300 [7620] = +6 [152] / -0                                                                                                                                   |  |                                                                                  |  |                                                        |  |
| >300 [7620] = +6% / -0                                                                                                                                                     |  |                                                                                  |  |                                                        |  |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE TO THE CENTER OF THE CABLE. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY. |  | SIZE                                                                             |  | REV                                                    |  |
|                                                                                                                                                                            |  | A                                                                                |  | A                                                      |  |
|                                                                                                                                                                            |  | CAGE CODE                                                                        |  | ITEM NO.                                               |  |
|                                                                                                                                                                            |  | 53919                                                                            |  | PE3FCA057                                              |  |
|                                                                                                                                                                            |  | DRAWN BY                                                                         |  |                                                        |  |
|                                                                                                                                                                            |  | DMAY                                                                             |  |                                                        |  |