# 4-Fiber LC UPC to LC UPC, OM5 Multimode Indoor Distribution Cable, 4.5mm LSZH, 2.0mm breakout, Lime Green

## PE3FCA228

### Features

- 4X LC UPC to 4X LC UPC
- Indoor multimode OM5
- Low Smoke Zero Halogen (LSZH) rated cable
- 4.5mm 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

High-performance fiber optic cable assemblies, including the PE3FCA228 from Pasternack, are designed for modern, high-speed network infrastructures and part of a large selection of same day ship cable assemblies. Whether deploying fiber optic distribution assemblies for enterprise networks, fiber optic breakout assemblies for seamless interconnectivity, or fiber optic patch cord assemblies for structured cabling, our solutions ensure durability and precision. Built for data centers, telecommunications, and industrial applications, our fiber optic distribution breakout assemblies deliver superior performance, ensuring optimal signal integrity and minimal loss.

The Pasternack PE3FCA228 indoor OM5 fiber optic distribution cable offers cutting-edge Wideband Multimode Fiber (WBMMF) technology, making it an ideal choice for next-generation networking. Supporting at least four WDM channels at 28Gbps per channel over the 850-953nm wavelength range, this 4 fiber assembly is optimized for shortwave Wavelength Division Multiplexing (SWDM). It features LC UPC to LC UPC connectors, a lime green Low Smoke Zero Halogen (LSZH) jacket, and a tight buffered aramid yarn construction for enhanced durabilty.

With a bandwidth of 28000MHz·km, Pasternack's PE3FCA228 OM5 fiber optic cable assembly provides high-speed, high-density connectivity for cloud computing, data centers, and 400G Ethernet applications. The 4.5mm overall diameter, 2.0mm breakout diameter, and 33.75mm (7.5D) minimum bend radius offer flexible installation options, while the -20C° to 70°C operating temperature ensures consistent performance in demanding network environments. Engineered for indoor high-speed deployments, this fiber optic assembly guarantees reliability and superior signal integrity. For further information on similar products, our expert technical support and trained sales team can get you the ideal fiber optic multi-fiber cable assembly as per your requirements.

### Configuration

| | |
|---|---|
| Function | Breakout |
| Cable Type | 4-Fiber Multimode |
| Mode | Multimode |
| Mode Class | OM5 |
| Fiber Diameter | 50/125 um |
| Connection 1 Type | LC |
| Connection 1 Polish | UPC |
| Connection 2 Type | LC |
| Connection 2 Polish | UPC |
| Cable Color | Lime Green |

### Optical Specifications

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


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+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

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### Optical Specifications

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

### Mechanical Specifications

**Cable Assembly**

| | |
|---|---|
| Length | 0 mm [0.00 in] |
| Width/Diameter | 4.5 mm |
| Weight | 50.8 g [0.112 lbs] |

**Cable**

| | |
|---|---|
| Cable Type | Breakout |
| Static Bend Radius | 34 mm |
| Dynamic Bend Radius | 67 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 | 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:


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## PE3FCA228

### Typical Performance Data

### How to Order

Part Number Configuration: **PE3FCA228 - xx uu**

- **uu** — Unit of Measure:
  - M = Meters
  - <blank> = Inches
- **xx** — Length
- **PE3FCA228** — Base Number

Example: PE3FCA228-12 = 12 inches long cable
PE3FCA228-100cm = 100 cm long cable

4-Fiber LC UPC to LC UPC, OM5 Multimode Indoor Distribution Cable, 4.5mm LSZH, 2.0mm breakout, Lime Green 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: 4-Fiber LC UPC to LC UPC, OM5 Multimode Indoor Distribution Cable, 4.5mm LSZH, 2.0mm breakout, Lime Green PE3FCA228

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# PE3FCA228 CAD Drawing

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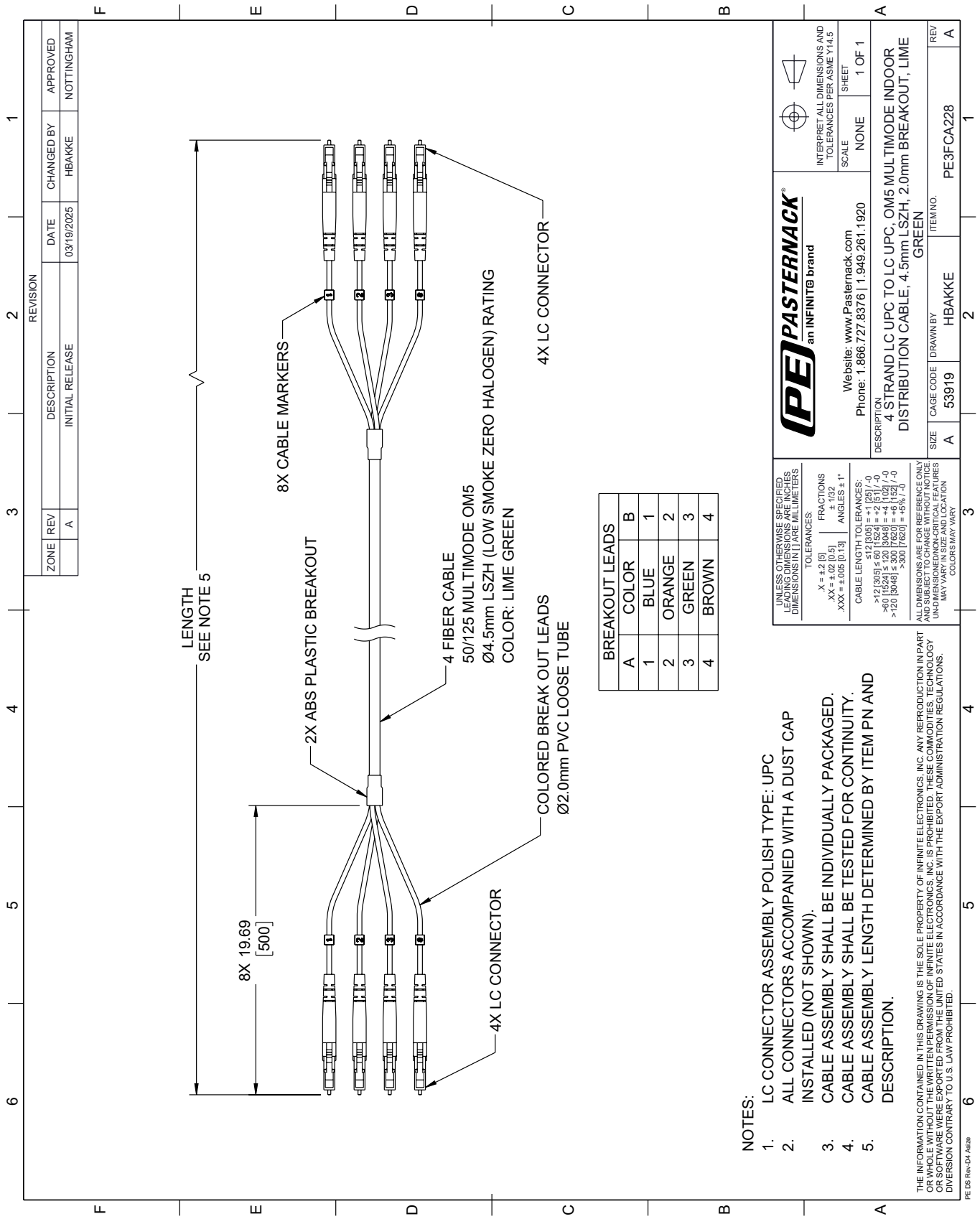




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