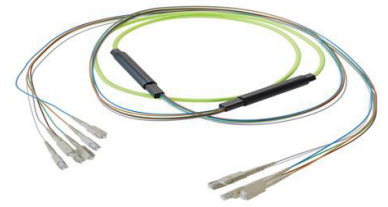


## 6-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.0mm Riser, 2.0mm breakout, Lime Green-10M



### PE3FCA305-10M

#### Features

- 6X SC UPC to 6X SC UPC
- Indoor multimode OM5
- Riser (OFNR) rated cable
- 5.0mm with tight buffer and aramid yarn strength member
- 2mm TIA 598 color coded, .5M breakout
- Suitable for ceilings and riser areas

#### 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 PE3FCA305-10M 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 PE3FCA305-10M 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 6 fiber assembly is optimized for shortwave Wavelength Division Multiplexing (SWDM). It features SC UPC to SC UPC connectors, a lime green Riser (OFNR) jacket, and a tight buffered aramid yarn construction for enhanced durability.

With a bandwidth of 28000MHz·km, Pasternack's PE3FCA305-10M OM5 fiber optic cable assembly provides high-speed, high-density connectivity for cloud computing, data centers, and 400G Ethernet applications. The 5.0mm overall diameter, 2.0mm breakout diameter, and 37.5mm (7.5D) minimum bend radius offer flexible installation options, while the -20°C 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          | 6 Fiber Multimode |
| Mode                | Multimode         |
| Mode Class          | OM5               |
| Fiber Diameter      | 50/125 um         |
| Connection 1 Type   | SC                |
| Connection 1 Polish | UPC               |
| Connection 2 Type   | SC                |
| Connection 2 Polish | UPC               |
| Cable Color         | Lime Green        |

#### Optical Specifications

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

## 6-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.0mm Riser, 2.0mm breakout, Lime Green-10M



### PE3FCA305-10M

#### Optical Specifications

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

#### Mechanical Specifications

##### Cable Assembly

|                |                      |
|----------------|----------------------|
| Length         | 10 m [393.70 in]     |
| Width/Diameter | 5 mm                 |
| Weight         | 114.31 g [0.252 lbs] |

##### Cable

|                                            |          |
|--------------------------------------------|----------|
| Cable Type                                 | Breakout |
| Static Bend Radius                         | 37 mm    |
| Dynamic Bend Radius                        | 75 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

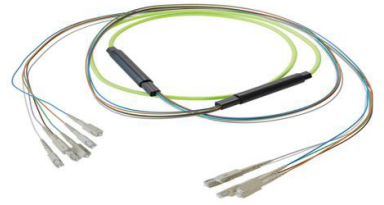
|                                |                  |
|--------------------------------|------------------|
| Operating Range Temperature    | -20 to +70 deg C |
| Storage Range Temperature      | -40 to +70 deg C |
| Ingress Protection (IP) Rating | Non-Rated        |

#### Compliance Certifications (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

6-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.0mm Riser, 2.0mm breakout, Lime Green-10M



# PE3FCA305-10M

## Typical Performance Data

## How to Order

### Part Number Configuration:

**PE3FCA305**

- XX

uu

- Unit of Measure:

M = Meters

<blank> = Inches

- Length

- Base Number

Example: PE3FCA305-12 = 12 inches long cable  
PE3FCA305-100cm = 100 cm long cable

6-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.0mm Riser, 2.0mm breakout, Lime Green-10M 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: [6-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.0mm Riser, 2.0mm breakout, Lime Green-10M PE3FCA305-10M](#)

URL: <https://www.pasternack.com/sc-sc-multimode-fiber-optic-cable-assembly-pe3fca305-10m-p.aspx>

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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3FCA305-10M CAD Drawing

6-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.0mm Riser, 2.0mm breakout, Lime Green-10M

