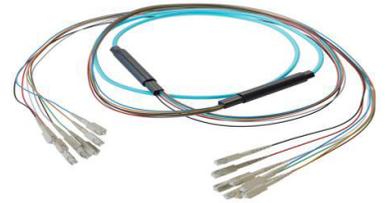


8-Fiber SC UPC to SC UPC, OM3 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Aqua-30M



PE3FCA359-30M

Features

- 8X SC UPC to 8X SC UPC
- Indoor multimode OM3
- Riser (OFNR) rated cable
- 5.6mm 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 PE3FCA359-30M 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.

Pasternack's OM3 indoor fiber optic distribution breakout assembly (PE3FCA359-30M) is a 8-fiber multimode cable optimized for VCSEL laser sources, making it ideal for 10Gb Ethernet up to 300 meters and 40G/100G Ethernet up to 100 meters. The SC UPC to SC UPC connectors, aqua-colored Riser (OFNR) jacket, and tight buffered aramid yarn reinforcement provide exceptional durability and performance. With a 5.6mm overall cable diameter, 2.0mm breakout diameter, and 42mm (7.5D) minimum bend radius, this assembly is well-suited for data centers, structured cabling, and high-speed networking applications.

The Pasternack PE3FCA359-30M OM3 fiber optic cable assembly offers a bandwidth of 2000MHz·km, ensuring high-speed data transmission with minimal signal loss. Designed for indoor environments, it can withstand temperatures ranging from -20°C to 70°C and is suitable for ceilings and riser areas. Whether for enterprise networks, storage area networks (SANs), or high-speed backbones, this OM3 fiber assembly guarantees outstanding network performance. 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.

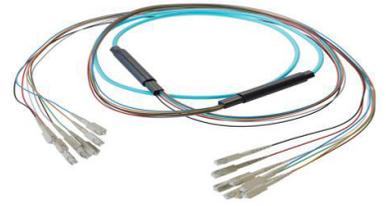
Configuration

| | |
|---------------------|-------------------|
| Function | Breakout |
| Cable Type | 8-Fiber Multimode |
| Mode | Multimode |
| Mode Class | OM3 |
| Fiber Diameter | 50/125 um |
| Connection 1 Type | SC |
| Connection 1 Polish | UPC |
| Connection 2 Type | SC |
| Connection 2 Polish | UPC |
| Cable Color | Aqua Blue |

Optical Specifications

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

8-Fiber SC UPC to SC UPC, OM3 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Aqua-30M



PE3FCA359-30M

Optical Specifications

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

Mechanical Specifications

Cable Assembly

| | |
|----------------|----------------------|
| Length | 30 m [1181.10 in] |
| Width/Diameter | 5.6 mm |
| Weight | 270.34 g [0.596 lbs] |

Cable

| | |
|--|----------|
| Cable Type | Breakout |
| Static Bend Radius | 42 mm |
| Dynamic Bend Radius | 84 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

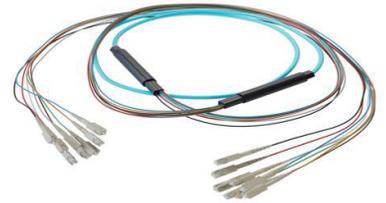
| | |
|--------------------------------|------------------|
| Operating Range Temperature | -20 to +70 deg C |
| Storage Range Temperature | -40 to +70 deg C |
| Ingress Protection (IP) Rating | Non-Rated |

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

Plotted and Other Data

Notes:

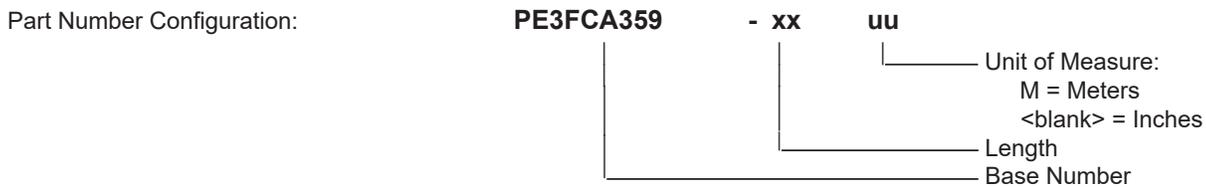
8-Fiber SC UPC to SC UPC, OM3 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Aqua-30M



PE3FCA359-30M

Typical Performance Data

How to Order



Example: PE3FCA359-12 = 12 inches long cable
 PE3FCA359-100cm = 100 cm long cable

8-Fiber SC UPC to SC UPC, OM3 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Aqua-30M 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.

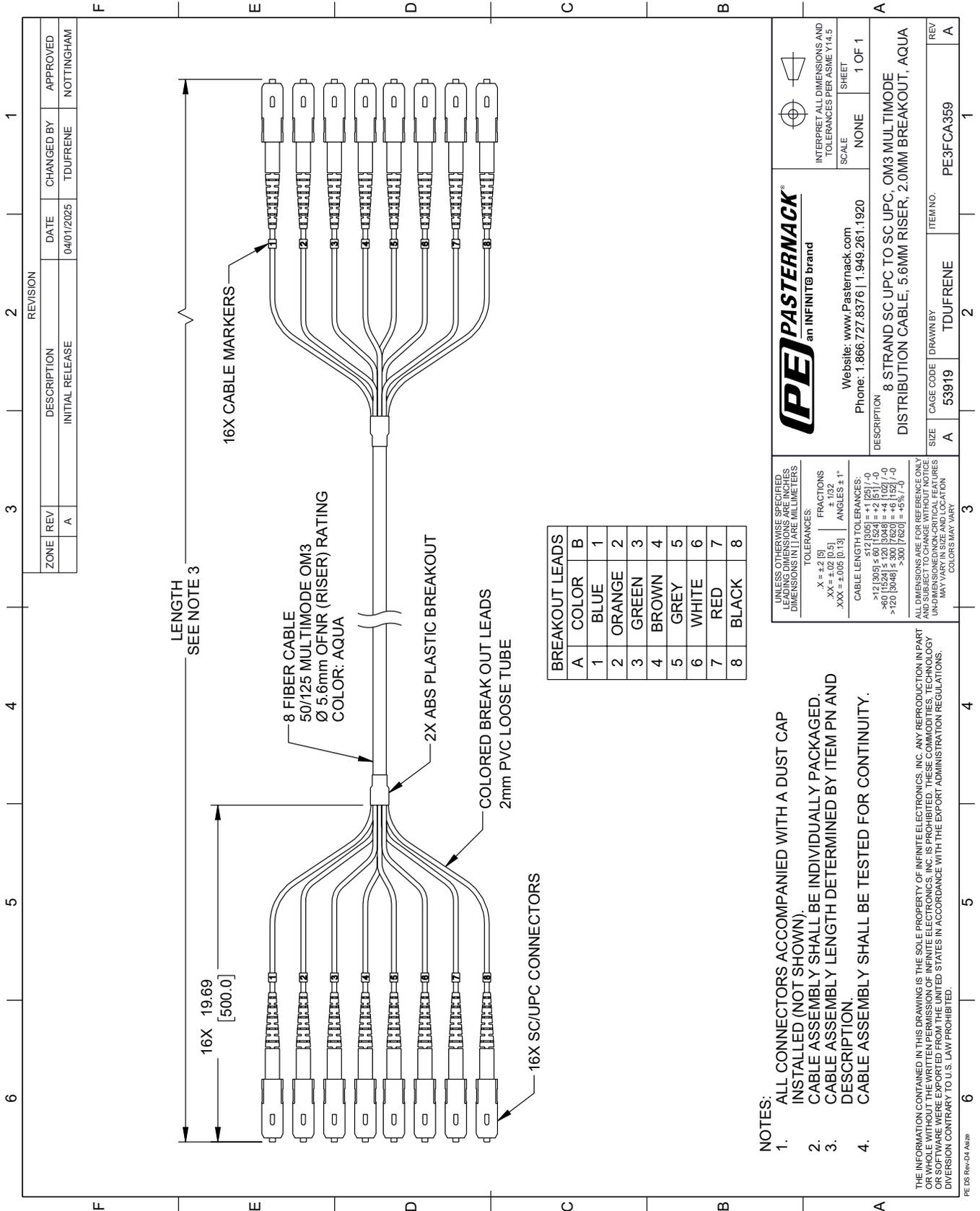
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [8-Fiber SC UPC to SC UPC, OM3 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Aqua-30M PE3FCA359-30M](https://www.pasternack.com/sc-sc-multimode-upc-fiber-optic-cable-assembly-pe3fca359-30m-p.aspx)

URL: <https://www.pasternack.com/sc-sc-multimode-upc-fiber-optic-cable-assembly-pe3fca359-30m-p.aspx>

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PE3FCA359-30M CAD Drawing

8-Fiber SC UPC to SC UPC, OM3 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Aqua-30M



| BREAKOUT LEADS | |
|----------------|----------|
| A | B |
| 1 | BLUE 1 |
| 2 | ORANGE 2 |
| 3 | GREEN 3 |
| 4 | BROWN 4 |
| 5 | GREY 5 |
| 6 | WHITE 6 |
| 7 | RED 7 |
| 8 | BLACK 8 |

NOTES:

- ALL CONNECTORS ACCOMPANIED WITH A DUST CAP INSTALLED (NOT SHOWN).
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.
- CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
- CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

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PE DS Rev-04 Add2

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS
 ± 1/32
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 >12 [305] ≤ 60 [1524] = ±1 [25] / -0
 >60 [1524] ≤ 120 [3048] = ±4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

| | | |
|-------------|--|-------|
| DESCRIPTION | 8 STRAND SC UPC TO SC UPC, OM3 MULTIMODE DISTRIBUTION CABLE, 5.6MM RISER, 2.0MM BREAKOUT, AQUA | |
| SIZE | A | 53919 |
| CAGE CODE | TDUFRENE | |
| ITEM NO. | PE3FCA359 | |
| REV | A | 1 |