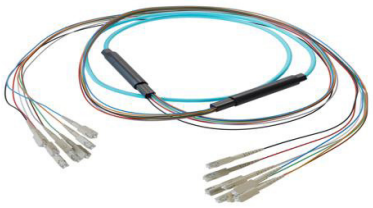
8-Fiber SC UPC to SC UPC, OM3 Multimode Distribution Cable, 5.6mm Plenum, 2.0mm breakout, Aqua



PE3FCA358

Features

- 8X SC UPC to 8X SC UPC
- Indoor multimode OM3
- Plenum (OFNP) rated cable
- 5.6mm with tight buffer and aramid yarn strength member
- 2mm TIA 598 color coded, .5M breakout
- Suitable for wall, ceiling, conduits, and between buildings

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 PE3FCA358 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 (PE3FCA358) 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 Plenum (OFNP) 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 PE3FCA358 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 0°C to 60°C and is suitable wall, ceiling, conduits, and between buildings. 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

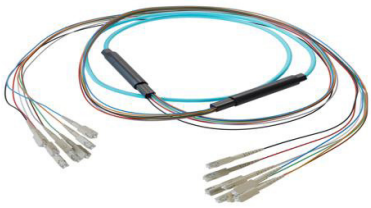
Function	Breakout
Cable Type	8-Fiber Multimode
Mode	Multimode
Mode Class	OM3
Fiber Diameter	50/125 um
Connection 1 Type	SC
Connection 1 Polish	UPC
Connection 2 Type	SC
Connection 2 Polish	UPC
Cable Color	Aqua Blue

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	30			dB

© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.
+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

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



PE3FCA358

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

Mechanical Specifications

Cable Assembly

Width/Diameter	5.6 mm
Weight	112.49 g [0.248 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	0 to +60 deg C
Storage Range Temperature	-20 to +60 deg C
Ingress Protection (IP) Rating	Non-Rated

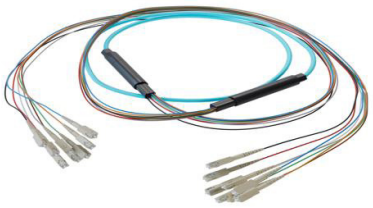
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.
+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

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



PE3FCA358

Typical Performance Data

How to Order

Part Number Configuration: **PE3FCA358 - xx uu**

- **uu** — Unit of Measure:
  - M = Meters
  - <blank> = Inches
- **xx** — Length
- **PE3FCA358** — Base Number

Example: PE3FCA358-12 = 12 inches long cable
PE3FCA358-100cm = 100 cm long cable

8-Fiber SC UPC to SC UPC, OM3 Multimode Distribution Cable, 5.6mm Plenum, 2.0mm breakout, 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: 8-Fiber SC UPC to SC UPC, OM3 Multimode Distribution Cable, 5.6mm Plenum, 2.0mm breakout, Aqua PE3FCA358

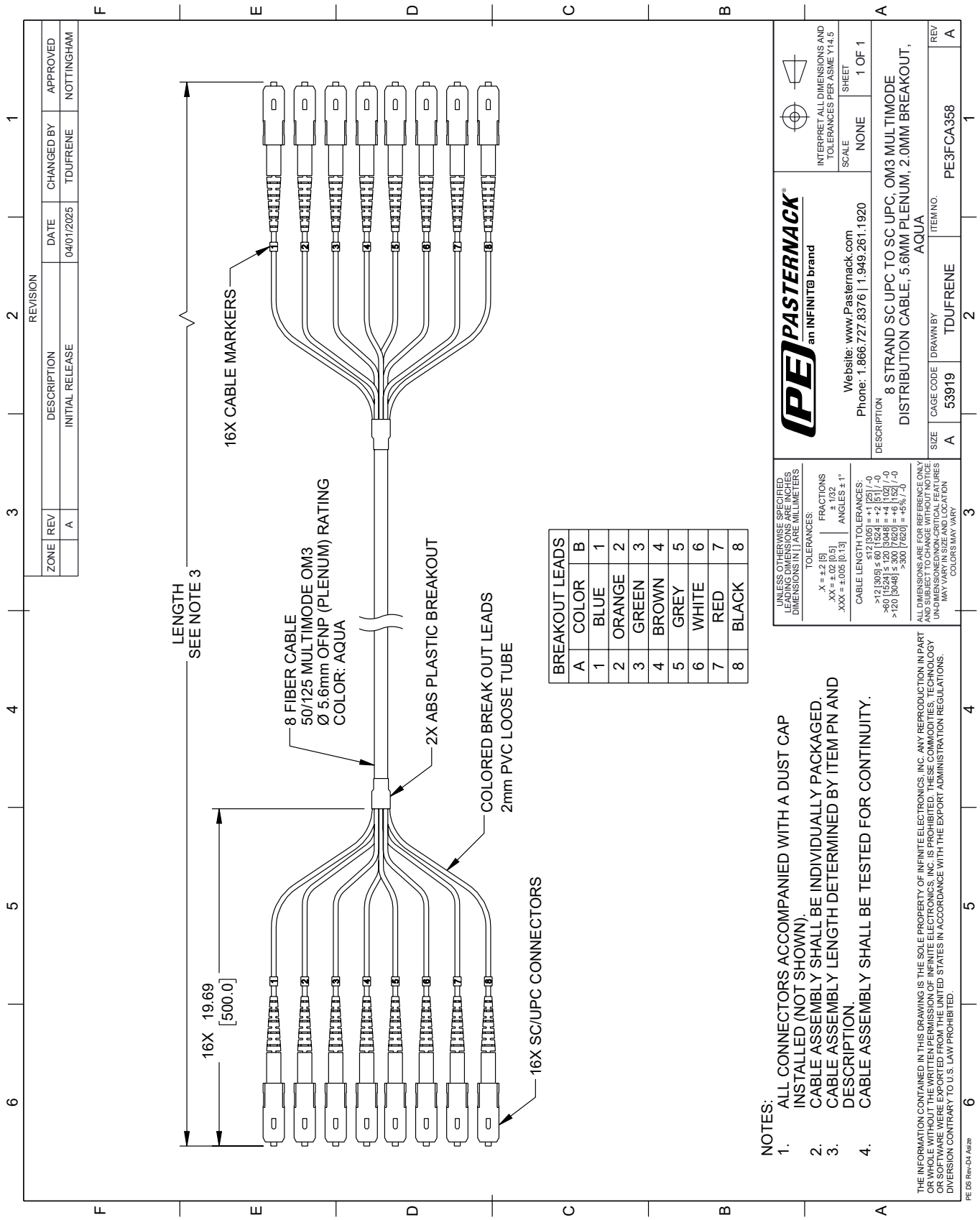
URL: https://www.pasternack.com/sc-sc-multimode-upc-fiber-optic-cable-assembly-pe3fca358-p.aspx

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 impliment 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.

© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.

PE3FCA358 CAD Drawing

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



© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.