6-Fiber SC UPC to ST UPC, OM1 Multimode Distribution Cable, 5.0mm Plenum, 2.0mm breakout, Orange

PE3FCA283

Features

- 6X SC UPC to 6X ST UPC
- Indoor multimode OM1
- Plenum (OFNP) rated cable
- 5.0mm 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 like the PE3FCA283 from Pasternack are essential for efficient and reliable network infrastructures and part of a large selection of same day ship cable assemblies. Whether you need fiber optic distribution assemblies for large-scale enterprise networks, fiber optic breakout assemblies for seamless connectivity, or fiber optic patch cord assemblies for precision connections, our solutions are engineered for durability and performance. Designed for various applications, including data centers, telecommunications, and industrial environments, our fiber optic distribution breakout assemblies ensure optimal signal integrity and minimal loss, making them the preferred choice for high-speed data transmission.

Our fiber optic distribution cables, including the Pasternack PE3FCA283 OM1 indoor fiber optic breakout assembly, cater to various bandwidth and distance requirements. Built with tight buffered aramid yarn construction, this 6-fiber multimode breakout assembly features SC UPC to ST UPC connectors and a Plenum (OFNP) rated jacket for fire safety. The 5.0mm overall cable diameter, 2.0mm breakout diameter, and 50mm (10D) minimum bend radius ensure flexibility for indoor installations. Whether for data centers, structured cabling, or conduit routing, this assembly is designed to meet stringent industry standards.

The Pasternack PE3FCA283 OM1 fiber optic cable assembly provides 100Mb Ethernet support and 10Gb Ethernet up to 33 meters with a 62.5/125µm core size and an LED light source. With an operating temperature range of 0°C to 60°C, this assembly is ideal for wall, ceiling, conduits, and between buildings. Engineered for low attenuation and high durability, the tight buffered fiber with aramid yarn reinforcement ensures exceptional performance in demanding network environments. For further information on similar fiber optic 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	OM1
Fiber Diameter	62.5/125 um
Connection 1 Type	SC
Connection 1 Polish	UPC
Connection 2 Type	ST
Connection 2 Polish	UPC
Cable Color	Orange

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	30			dB

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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	5 mm
Weight	78.93 g [0.174 lbs]

Cable

Cable Type	Breakout
Static Bend Radius	50 mm
Dynamic Bend Radius	100 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	ST
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:

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Typical Performance Data

How to Order

Part Number Configuration: **PE3FCA283 - xx uu**

- **uu** — Unit of Measure:
  - M = Meters
  - <blank> = Inches
- **xx** — Length
- **PE3FCA283** — Base Number

Example: PE3FCA283-12 = 12 inches long cable
PE3FCA283-100cm = 100 cm long cable

6-Fiber SC UPC to ST UPC, OM1 Multimode Distribution Cable, 5.0mm Plenum, 2.0mm breakout, Orange 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 ST UPC, OM1 Multimode Distribution Cable, 5.0mm Plenum, 2.0mm breakout, Orange PE3FCA283

URL: https://www.pasternack.com/sc-st-multimode-fiber-optic-cable-assembly-pe3fca283-p.aspx

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PE3FCA283 CAD Drawing

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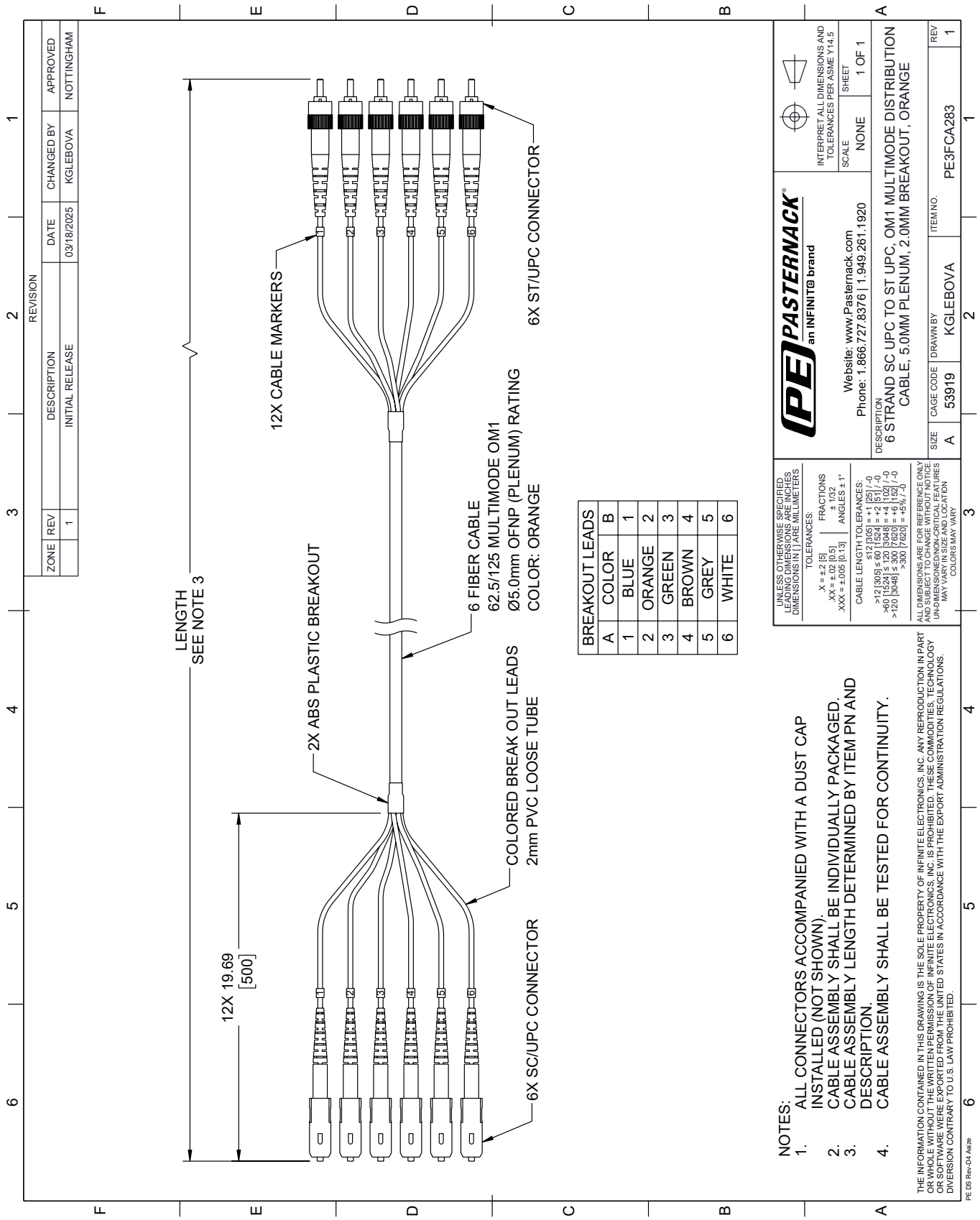

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