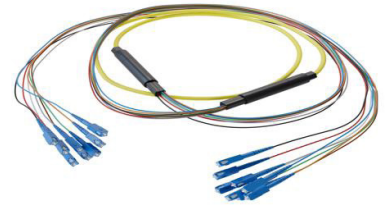


8-Fiber SC UPC to SC UPC, OS2 Single Mode Distribution Cable, 5.6mm LSZH, 2.0mm breakout, Yellow-10M



PE3FCA395-10M

Features

- 8X SC UPC to 8X SC UPC
- Indoor single mode OS2
- Low Smoke Zero Halogen (LSZH) rated cable
- 5.6mm 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 PE3FCA395-10M 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.

For long-distance and high-speed transmission, the Pasternack PE3FCA395-10M indoor Single Mode G.657.A1 OS2 fiber optic cable assembly offers ultra-low attenuation over distances up to 10km for 10G Ethernet and beyond. Built with a 9/125µm core size, this SC UPC to SC UPC fiber optic distribution assembly ensures minimal signal loss for campus networks, metro Ethernet, and telecom infrastructure. The yellow Low Smoke Zero Halogen (LSZH) rated jacket, tight-buffered aramid yarn construction, and 42mm (7.5D) minimum bend radius provide maximum durability and performance.

With an operating temperature range of -20°C to 70°C, Pasternack's PE3FCA395-10M OS2 fiber optic cable is designed for indoor environments, supporting confined installations where flame resistance is required. The 5.6mm overall cable diameter and 2.0mm breakout diameter allow for flexible routing while maintaining low insertion loss and superior signal integrity. Whether for enterprise backbones, long-haul networking, or high-speed data transmission, this OS2 fiber optic assembly delivers exceptional reliability for critical infrastructure deployments. 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.

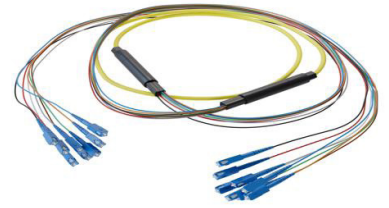
Configuration

Function	Breakout
Cable Type	8-Fiber Single Mode
Mode	Single Mode
Mode Class	OS2
Fiber Diameter	9/125 µm
Connection 1 Type	SC
Connection 1 Polish	UPC
Connection 2 Type	SC
Connection 2 Polish	UPC
Cable Color	Yellow

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	50			dB

8-Fiber SC UPC to SC UPC, OS2 Single Mode Distribution Cable, 5.6mm LSZH, 2.0mm breakout, Yellow-10M



PE3FCA395-10M

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

Mechanical Specifications

Cable Assembly

Width/Diameter	5.6 mm
Weight	161.48 g [0.356 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

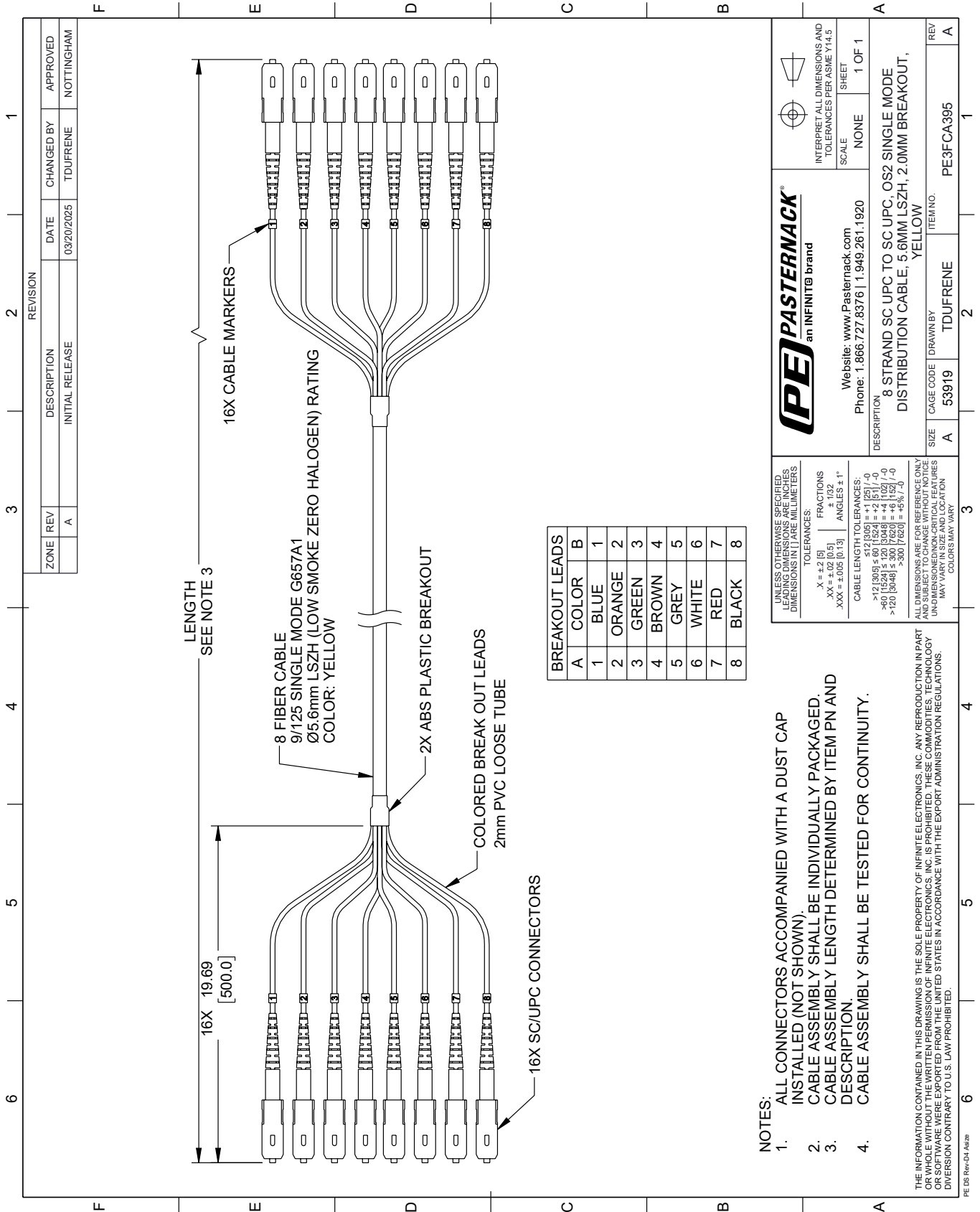
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

PE3FCA395-10M CAD Drawing

8-Fiber SC UPC to SC UPC, OS2 Single Mode Distribution Cable, 5.6mm LSZH, 2.0mm breakout, Yellow-10M



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

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN 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. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

PE PASTERNAK
an INFINITE brand

Website: www.Pasternack.com
 Phone: 1.866.727.8376 | 1.949.261.1920

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

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.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVISION CONTRARY TO U.S. LAW PROHIBITED.

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
A	A	INITIAL RELEASE	03/20/2025	TDUFRENE	NOTTINGHAM

DESCRIPTION	SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
8 STRAND SC UPC TO SC UPC, OS2 SINGLE MODE DISTRIBUTION CABLE, 5.6MM LSZH, 2.0MM BREAKOUT, YELLOW	A	53919	TDUFRENE	PE3FCA395	A