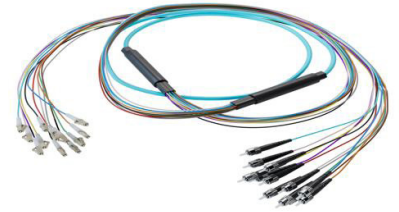


12-Fiber LC UPC to ST UPC, OM4 Multimode Distribution Cable, 6.2mm Riser, 2.0mm breakout, Aqua-30M



PE3FCA422-30M

Features

- 12X LC UPC to 12X ST UPC
- Indoor multimode OM4
- Riser (OFNR) rated cable
- 6.2mm 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 PE3FCA422-30M 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.

For longer transmission distances and higher bandwidth, the Pasternack PE3FCA422-30M indoor OM4 fiber optic breakout assembly supports 10Gb Ethernet up to 550 meters and 40G/100G Ethernet up to 150 meters. Built with a tight buffered aramid yarn strength member, this 12-fiber multimode assembly features LC UPC to ST UPC connectors, a 6.2mmmm overall cable diameter, and a 2.0mm breakout diameter, ensuring superior durability and performance. The aqua-colored Riser (OFNR) rated jacket is suitable for ceilings and riser areas, making it a reliable choice for data centers, telecom networks, and high-performance computing environments.

With a bandwidth of 4700MHz·km, Pasternack's PE3FCA422-30M OM4 fiber optic cable delivers low attenuation and high-speed performance for mission-critical applications. Its 46.5mm (7.5D) minimum bend radius and -20°C to 70°C operating temperature provide the flexibility needed for indoor routing, structured cabling, and conduit installations. Designed for hyperscale data centers and telecom backbones, this fiber optic assembly ensures seamless network connectivity with minimal signal loss. 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.

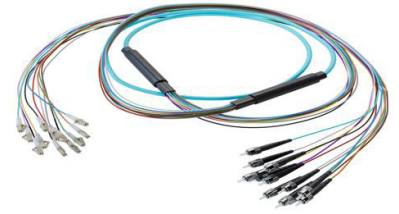
Configuration

Function	Breakout
Cable Type	12-Fiber Multimode
Mode	Multimode
Mode Class	OM4
Fiber Diameter	50/125 um
Connection 1 Type	LC
Connection 1 Polish	UPC
Connection 2 Type	ST
Connection 2 Polish	UPC
Cable Color	Aqua Blue

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	30			dB

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PE3FCA422-30M

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

Mechanical Specifications

Cable Assembly

Length	30 m [1181.10 in]
Width/Diameter	6.2 mm
Weight	313.89 g [0.692 lbs]

Cable

Cable Type	Breakout
Static Bend Radius	47 mm
Dynamic Bend Radius	93 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	LC	ST
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:

PE3FCA422-30M CAD Drawing

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