

Fiber Distribution Hubs



Description

The PPC Fiber Distribution Hubs offer a light weight plastic hub that is ideal for smaller capacity GPON centralized splitting needs.

The plastic hub is designed to connect up to 144 subscribers after splitting and include factory-installed 50 foot cable stubs for input and distribution. These cable stubs are pre routed and factory tested for fast, easy and reliable connections.

The plastic hub is ideal for smaller indoor/outdoor applications and is available with a 72, 96 or 144 fiber distribution bulkhead.

The intuitive hub design divides functions between the upper and lower chambers and the logical layout minimizes training, increases productivity, and lowers the total cost of ownership.

Security bolts (216-tool) are standard on all hubs along with a padlock hasp for increased access control and worry-free protection of internal components.




FHP-D24072AXEEB-CL

Features

- Clean, intuitive routing for splitter inputs and outputs (including extra adapters & cable guides) decreases installation time
- Easy to order factory pre-stubbed hubs with Distribution Bulkhead Capacities from 72 to 144 fibers
- Input Bulkhead Capacity standardized at 24 fiber giving additional fibers that may be needed for upgrades or pass through for secure business lines
- Tested, reliable connections from factory-installed and terminated 50 foot cable stubs
- Bulkhead adapters are standard SC/APC
- Support for cascaded splitter design (1x2 feeding two 1x32s) allowing an easily upgradable 1x64 split ratio
- Plastic hubs can handle up to 9 cassette splitters (3 cascaded sets)
- Low maintenance sturdy plastic enclosures
- Easily expandable in the field for future growth
- Lightweight design for easy wall-mounting
- Plastic hub enclosures are designed for indoor or outdoor mounting

Specifications

- Dimensions:** 30.6"H x 14.5"W x 8.3"D
- Materials:** Flame retardant PBT/PC blend thermoplastic, UL 94V-0 (indoor)/UL 94-5VA (outdoor) rated
- Safety:** UL1863  US
- Performance:** Designed to meet GR-049-CORE, GR-3125-CORE & GR-2898-CORE
- NEMA Rating:** NEMA 3R
- Finish:** Light Gray

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Part No.	Description
FHP-D24072AXEEB-CL	72 adapters
FHP-D24096AXEEB-CL	Fiber Hub with 72, 96 or 144 SC/APC adapters (72 & 96 are expandable). Space for 9 box-style splitters (SFSM - next page). Additional bulkhead (SC/APC) for splitter inputs and cascaded designs. Includes 24-fiber feed cable, and 72/96/144 fiber distribution cables for splicing at external enclosure(s). 96 adapters
FHP-D24144AXEEB-CL	144 adapters
FHP-D24072AS2E-CL	Fiber Hub with 72 SC/APC adapters. Eight splice trays and 12-fiber fanouts for feed and distribution. Additional bulkhead (SC/APC) for splitter inputs and cascaded designs. Space for three box-style splitters (SFSM - next page). Designed for raw cable feed and distribution
UCS-FS72AS4N-CL	GPON hub ships with 36 SC/APC adapters, expandable to 72. Additional adapters for splitter inputs. Four splice trays (space for 3 additional trays) and four 12-fiber fanouts. Space for two 1x32 splitters or three smaller splitters. Includes feet for wall mounting and brackets for pedestal mounting (Emerson Pro14 or Charles 4510N). Designed for raw cable feed - 1 tray for feed, 3 trays for distribution

Description

The PPC planar light wave circuit (PLC) splitters are based on the Plasma Chemical Vapor Deposition (P-CVD) technology and its proprietary fabrication process for providing stable optical performance.

Features

- SC/APC Connector
- Low insertion loss
- High maximum power tolerance
- Excellent splitting uniformity
- Broadband operating wavelength
- Compact design
- Low polarization dependency



Specifications

Dimensions: .78" H x 3.15" W x 4.72" D
(18mm x 80mm x 120mm)

Part No.	Description
SFSM-2B1102AA1M	1x2 Splitter module with 1 meter long 2mm tails and SC/APC connectors
SFSM-2B1104AA1M	1x4 Splitter module with 1 meter long 2mm tails and SC/APC connectors
SFSM-2B1108AA1M	1x8 Splitter module with 1 meter long 2mm tails and SC/APC connectors
SFSM-2B1116AA1M	1x16 Splitter module with 1 meter long 2mm tails and SC/APC connectors
SFSM-2B1132AA1M	1x32 Splitter module with 1 meter long 2mm tails and SC/APC connectors

PLC Splitter Module					
Parameters	1x2	1x4	1x8	1x16	1x32
Insertion Loss Max	4.6 ¹	8.0 ¹	11.3 ¹	14.3 ¹	17.5 ¹
Uniformity Max	0.7 ¹	0.9 ¹	1.1 ¹	1.5 ¹	1.8 ¹
PDL Max	0.2 ¹	0.2 ¹	0.3 ¹	0.3 ¹	0.3 ¹
WDL	0.3 ¹	0.3 ¹	0.3 ¹	0.5 ¹	0.5 ¹
Return Loss Min	UPC: 50 dB, APC: 55 dB				
Directivity Min	55 dB				
Operating Temp	-40 °C ~ 85 °C				
Cable Type - Input: 2mm / Output: 2mm					

Note 1: dB

Note 2: IL and RL are included connector's performance. Operating temp is guaranteed up to 1.0m tube/cable length and excludes connectors.