SDX 12- & 24-Fiber Splice Modules

APPLICATION

SDX 12- and 24-Fiber Splice Modules protect and organize heat-shrink fusion spliced fibers (up to 12 or 24 fibers) inside a fiber enclosure. The modular design enables faster field splicing and simple management of pigtails within the housing. Splice modules eliminate the need for individual splice trays within a fiber enclosure and provide optimal organization and slack management of fibers. Typical applications include Wide Area Networks (WAN), campus environments, high-count riser buildings, government installations, data centers, and central offices.

SPECIFICATION

Fiber pigtail fusion splice modules shall be offered in 12- or 24-fiber LC and 12-fiber SC configurations in OS2 (UPC and APC) and OM3 fiber types. Construction of module shall be of 14-gauge aluminum for robustness and light weight. Splice Modules shall be pre-loaded and routed with respective three-meter, color-coded pigtail assembly. Individual pigtails shall have maximum insertion loss of 0.4 dB and 0.35 dB for OM3 and OS2 fiber types, respectively. Return Loss shall be greater than 25 dB (for OM3), 55 dB (for OS2/UPC), and 60 dB (for OS2/APC). Individual compartments shall provide slack storage and bend radius protection for incoming backbone fibers, 900 µm tight-buffer fibers, and fusion-spliced fibers. Incoming 250 µm backbone fibers shall be protected by a braided mesh sleeve. Heat-shrink style splice sleeves, braided mesh sleeve, and tie wraps shall be included with module.

FEATURES

- Module integrates fiber adapter bulkhead (12 or 24 fibers) and splice holders, eliminating the need of splice trays
- Offered in single-mode (OS2) UPC and APC and laser-optimized multimode (OM3) fiber types
- Other fiber types available as custom orders
- Individual compartments provide slack storage and bend radius guides for respective backbone cable, 900 µm tight-buffer pigtails, and fusion-spliced fibers
- 12-fiber, color-coded 900 µm tight-buffer pigtails are one meter and pre-loaded in module per specific configuration
- Modular design allows for ease of maintenance of individual spliced fiber and allows for scaling up without impacting existing fibers
- Accessory kit consists of 40 mm heat-shrink style splice sleeves, tie wraps, and braided mesh sleeve

DESIGN CONSIDERATIONS

- Designed to terminate with distribution or loose-tube style fiber cable
- For outside-plant fiber cable please contact Technical Support
- Installs in SDX rack-mount and wall-mount fiber enclosures
- Zirconia ceramic ferrule used on LC and SC connectors
- Zirconia ceramic sleeve used on LC and SC adapters
- 12-fiber splice modules use duplex LC or SC adapters
- 24-fiber splice modules use quad LC adapters
- Individual splice holder accepts up to 12 heat-shrink style splice sleeves, two each included

PHYSICAL SPECIFICATIONS

Dimensions:	See page two
Material:	14-gauge Anodized Aluminum
Adapter Colors:	OM4 – Aqua OM3 – Aqua OS2/UPC – Blue OS2/APC – Green

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

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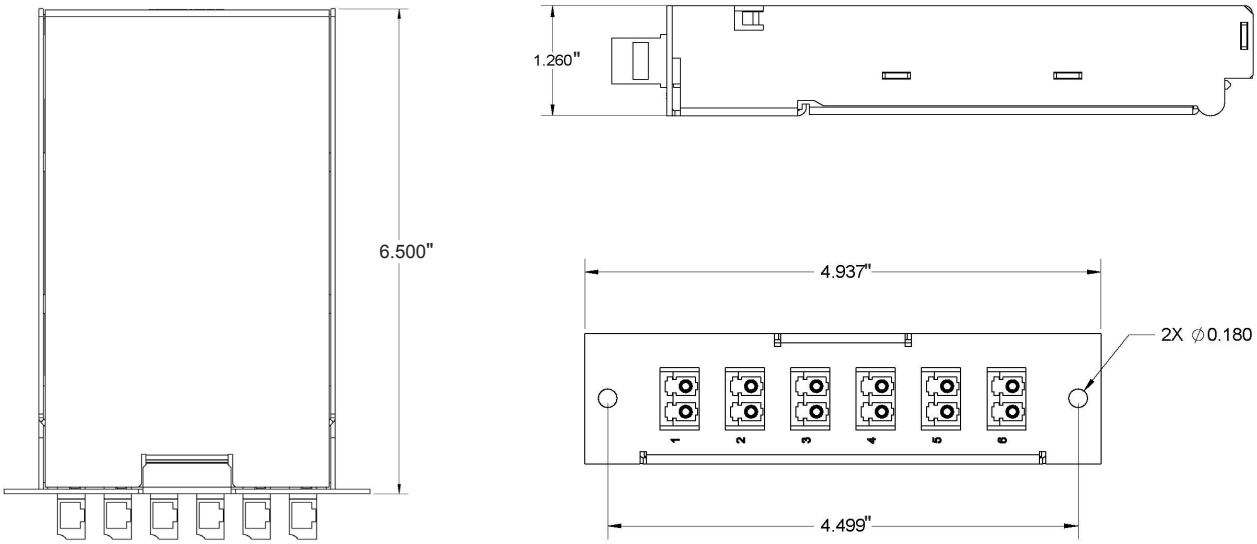
ELECTRONIC FILES

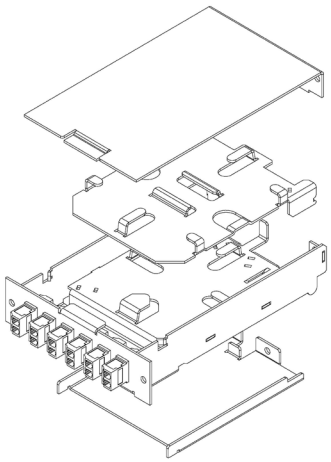
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



SDX FIBER SPLICE MODULES*

Description	Part No.
12-Fiber, LC, OM4	SPLCS-124
12-Fiber, LC, OM3	SPLCS-12A
12-Fiber, LC, OS2	SPLCS-12L
12-Fiber, LC/APC, OS2	SPLCS-12V
12-Fiber, SC, OM3	SPSCS-12A
12-Fiber, SC, OS2	SPSCS-12L
12-Fiber, SC/APC, OS2	SPSCS-12V
24-Fiber, LC, OM4	SPLCS-244
24-Fiber, LC, OM3	SPLCS-24A
24-Fiber, LC, OS2	SPLCS-24L
24-Fiber, LC/APC, OS2	SPLCS-24V

**Additional fiber types and connector combinations are available. For assistance ordering, call (800) 824-3005.*



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