

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) OM3 and OM4 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 one-meter, color-coded pigtail assembly. Individual pigtails shall have maximum insertion loss of 0.4 dB for OM3/OM4 and 0.35 dB for OS2 fiber types. Return Loss shall be greater than 25 dB (for OM3 and OM4), 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 μ m tight-buffer fibers, and fusion-spliced fibers. Incoming 250 μ m 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 and OM4 fiber types
- Individual compartments provide slack storage and bend radius guides for respective backbone cable, 900 μ m tight-buffer pigtails, and fusion-spliced fibers
- 12-fiber, color-coded 900 μ m 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

STANDARDS COMPLIANCE

Meets or exceeds the ANSI/TIA-568.3-D requirement

PHYSICAL SPECIFICATIONS

Dimensions:	See page two
Material:	14-gauge Anodized Aluminum
Adapter Colors:	OM3 – Aqua
	OM4 – Aqua or Heather Violet
	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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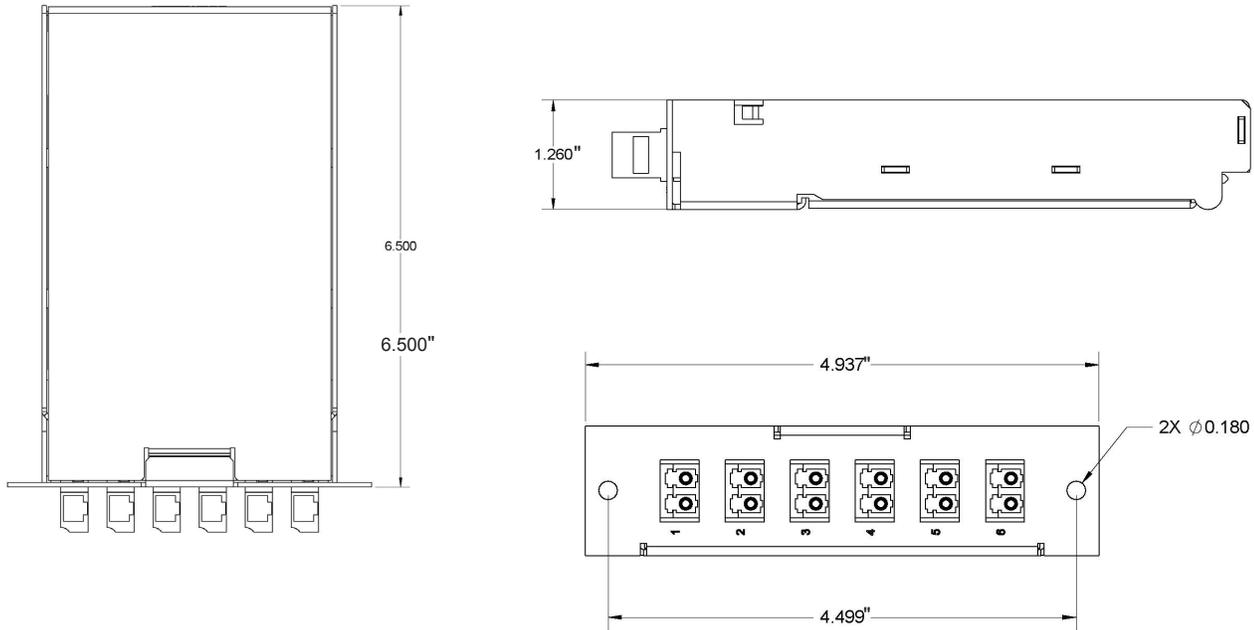
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ELECTRONIC FILES

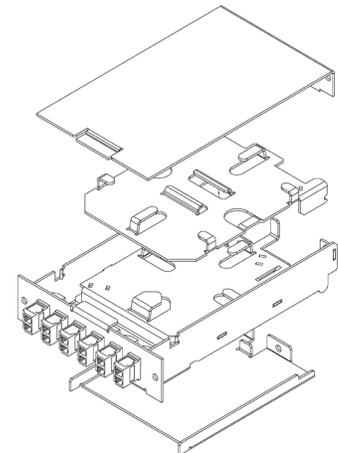
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



SPLCS-12x, SPLCS-24x, SPSCS-12x

SDX FIBER SPLICE MODULES*

Description	Part No.
12-Fiber, OM4, LC (Aqua)	SPLCS-124
12-Fiber, OM4, LC (Heather Violet)	SPLCS-12M
12-Fiber, OM3, LC (Aqua)	SPLCS-12A
12-Fiber, OS2, LC (Blue)	SPLCS-12L
12-Fiber, OS2, LC/APC (Green)	SPLCS-12V
12-Fiber, OM3, SC (Aqua)	SPSCS-12A
12-Fiber, OS2, SC (Blue)	SPSCS-12L
12-Fiber, OS2, SC/APC (Green)	SPSCS-12V
24-Fiber, OM4, LC (Aqua)	SPLCS-244
24-Fiber, OM3, LC (Aqua)	SPLCS-24A
24-Fiber OM4, LC (Heather Violet)	SPLCS-24M
24-Fiber, OS2, LC (Blue)	SPLCS-24L
24-Fiber, OS2, LC/APC (Green)	SPLCS-24V



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