

Opt-X® 12- & 24-Fiber Splice Modules

APPLICATION

Opt-X 12 & 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 & 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 3-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 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 & APC and laser optimized multimode (OM3) fiber types
- Other fiber types available as special orders
- 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 1 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

- Installs in Opt-X rack-mount (Ultra, 1000i, and 500i) 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, 2 each included

PHYSICAL SPECIFICATIONS

Dimensions:	See page 2
Material:	14-gauge Anodized Aluminum
Adapter Colors:	OM3 – Aqua OS2/UPC – Blue OS2/APC – Green

COUNTRY OF ORIGIN

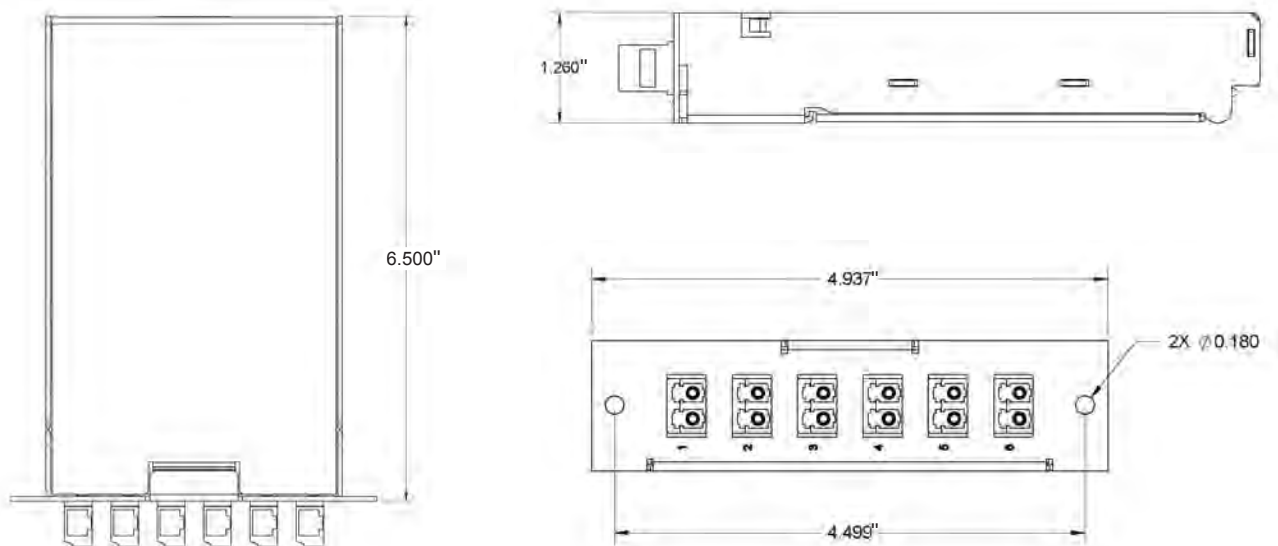
USA

WARRANTY INFORMATION

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

ELECTRONIC FILES

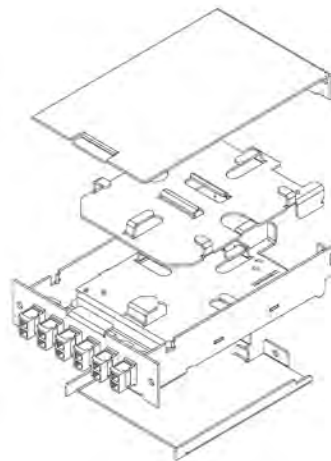
For CAD files, typical specs, or technical drawings (.DXF, .DWG, Visio), visit www.leviton.com.



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

PART NUMBERS*

Description	Part No.
Opt-X® 12-Fiber LC OM3 Splice Module	SPLCS-12A
Opt-X 12-Fiber LC OS2 Splice Module	SPLCS-12L
Opt-X 12-Fiber LC/APC OS2 Splice Module	SPLCS-12V
Opt-X 12-Fiber SC OM3 Splice Module	SPSCS-12A
Opt-X 12-Fiber SC OS2 Splice Module	SPSCS-12L
Opt-X 12-Fiber SC/APC OS2 Splice Module	SPSCS-12V
Opt-X 24-Fiber LC OM3 Splice Module	SPLCS-24A
Opt-X 24-Fiber LC OS2 Splice Module	SPLCS-24L
Opt-X 24-Fiber LC/APC OS2 Splice Module	SPLCS-24V



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

