

# LightVerse® Fiber Optic Cabling System

## Splice Cassette and Trays

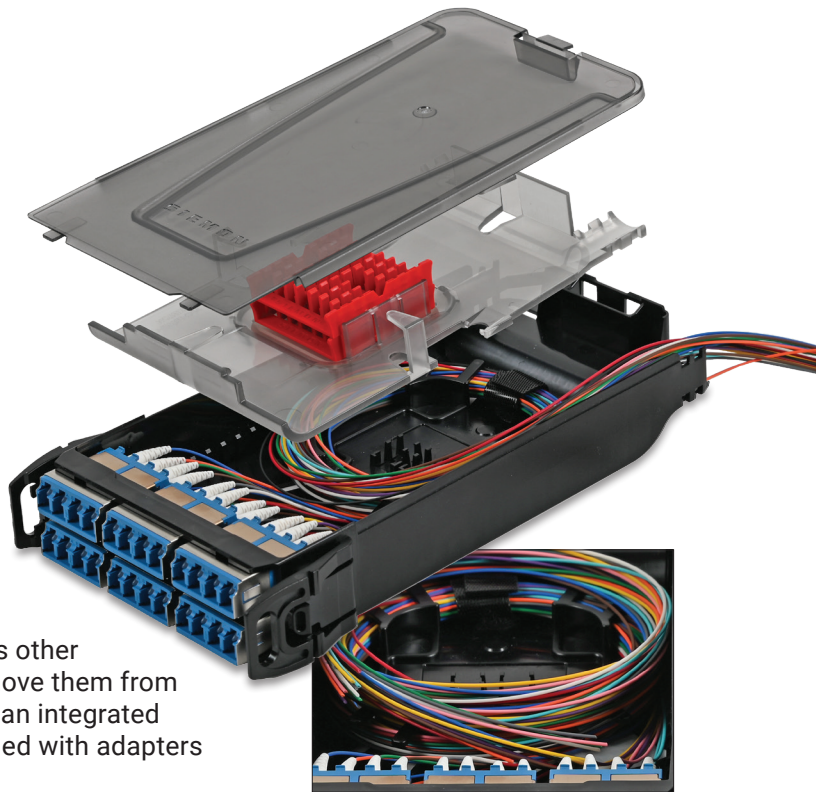
Regional Availability - Global

The Siemon LightVerse system includes support for fiber optic splicing via a splice cassette or splice trays which have been designed with the user in mind, combining innovative functionality with the quality and performance users expect from Siemon.

### LightVerse Splice Cassettes

The LightVerse splice cassettes are a compact design, constructed from a robust translucent material making testing and verification easier, supporting up to 24 fibers per cassette with LC or 12 fibers with SC connectors.

Simple usability has been designed in from the start, with each cassette featuring the same integrated front latches as other LightVerse modules, allowing users to easily install and remove them from the front or rear of the enclosure. All cassettes also include an integrated pull tether supporting quick rear removal and arrive pre-loaded with adapters and color-coded pigtails allowing faster on-site deployment.



#### Shuttered Options

LightVerse modules are available in both LC shuttered and non-shuttered configurations, allowing users to add more protection if required.

#### Multiple Splice Support

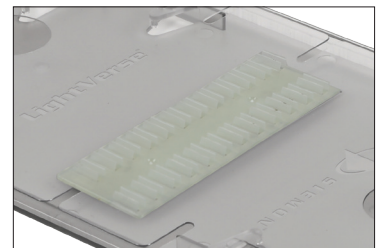
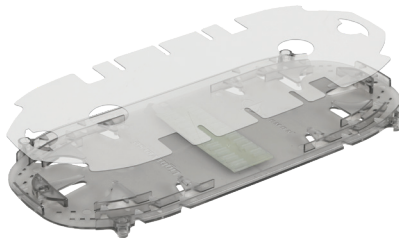
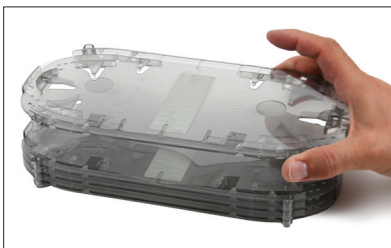
Each LightVerse splice cassette includes an integrated, stackable splice chip which supports both mass fusion and single splices, giving users maximum flexibility.

#### Integrated Storage

LightVerse splice cassettes feature an integrated storage loop with removable separation tray, allowing users to easily manage fiber connections.

### LightVerse Splice Trays

The LightVerse splice trays are a revolutionary design which allows for a 1-to-1 ratio of splices to connectors. Made from robust, translucent plastic, each splice tray can support up to 24 fibers and are also stackable up to 4 times (96 fibers) within a single 1U footprint, providing the scalability and control users need for their needs.



#### Stackable Design

LightVerse splice trays include molded feet allowing them to easily be stacked up to 16 times within a 4U enclosure, allowing users to easily increase splice density as required.

#### Simple Management

Each LightVerse splice tray has multiple tie down points to easily secure transport tubes and offer an optional designation label which can be placed on the cover to help with day-to-day management.

#### Clear Separation

Each LightVerse splice tray features a molded design that supports inbound/outbound fiber, ensuring users can maintain clear separation.

# Product Information

## Optical Performance Specifications

	MAX INSERTION LOSS (dB)		MIN RETURN LOSS (dB)	
	MAX	TYPICAL	MIN	TYPICAL
OM1	0.50	0.15	15	30
OM3	0.25	0.10	30	35
OM4	0.25	0.10	30	35
SINGLEMODE	0.40	0.10	65	70

## Splice Capacity Chart

RACK SPACE	1U	2U	4U
SPLICE CAPACITY	96	192	384

# Ordering Information

## LC Splice Cassette | Ceramic Sleeve

LVS (XX) - (XX) (XX) (X) (X) B1A

FIBER COUNT	CONNECTOR	ADAPTER COLOR/ FIBER TYPE	BUFFER RATING	FIBER CONSTRUCTION
12 = 12 Fibers 16 = 16 Fibers 24 = 24 Fibers	LC = Non Shuttered LS = Shuttered	P6 = Beige/OM1 PL = Aqua/OM3 PV = Aqua/OM4 PE = Erica Violet/OM4 UA = Blue/OS2 (UPC) AA = Green/OS2 (APC)	R = Riser L = LSOH E = Empty (no fiber)	A = 900um B = Ribbon Side 1 C = Ribbon Side 2 E = Empty (no fiber)



## SC Splice Cassette | Metallic Sleeve

LVS (XX) - SC (XX) (X) (X) B1A

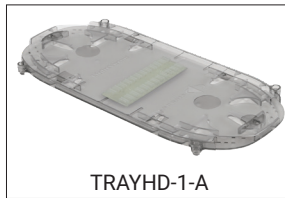
FIBER COUNT	ADAPTER COLOR/ FIBER TYPE	BUFFER RATING	FIBER CONSTRUCTION
06 = 6 Fibers 08 = 8 Fibers 12 = 12 Fibers	P6 = Black/OM1 PL = Aqua/OM3 PV = Aqua/OM4 UA = Blue/OS2 (UPC) AA = Green/OS2 (APC)	R = Riser L = LSOH E = Empty (no fiber)	A = 900um E = Empty (no fiber)

Notes:  
All pigtailed use TIA-598 color coding except OM1 which use orange only.  
All splice cassettes come with 60mm heat shrink sleeves.



## LightVerse® Splice Trays

Part Number	Description
TRAYHD-1-A	Splice Tray, Single Splice, 24 Splices
TRAY-4-R-MFS	Splice Tray, Mass or Ribbon, 6 Splices



## LightVerse Splice Tray Accessories

Part Number	Description
HT-40	40mm single fiber heat shrink sleeve
HT-60	60mm single fiber heat shrink sleeve



Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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