

# LightVerse® Cabling System

Copper/Fiber Combo Patch Panels | Regional Availability – Global



Now more than ever, available space for your network infrastructure is at a premium. With such limitations, easily managing your fiber and copper connectivity in the same rack area can be a challenge. Not anymore.

The Siemon LightVerse system includes copper/fiber combo patch panel, designed to allow users to easily mix their high-performance fiber optic and copper connectivity within the same 1U of rack space. Available in flat or angled configurations, the LightVerse Copper/Fiber Combo patch panel supports both singlemode and multimode fiber, or shielded category 6A and unshielded category 6A/6 copper connectivity, delivering a fast and economical format for deploying critical connectivity in space-sensitive application environments.



Flat Patch Panel



Angled Patch Panel

## Flexible Connectivity

The LightVerse Copper/Fiber Combo patch panel allows users to deploy their fiber and copper connections in various ways, supporting up to 96-fibers or 48-copper connections, or any combination of the two, within 1U of rack space.



## Ultra-Fast Deployments

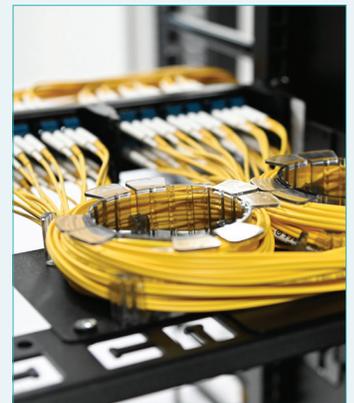
Our range of high-quality copper and fiber pre-terminated trunks can be installed up to 75% faster than traditional methods, while also bringing the benefits of factory-terminated connectors and pre-tested solutions allowing users to deploy their critical connections with confidence.

As well as interoperating with our range of LightVerse fiber connectivity, the combo panel offering also includes an innovative 6-port copper adapter plate, which allows the user to easily populate their copper connections in the panel. This format provides a simple and efficient way to deploy and scale these connections, spaces can be easily blocked off with blanking plates, or uncovered and populated over time when required.



## Versatile Design

The unique design of our LightVerse system allows the fiber plug and play modules and adapter plates to be installed or removed from the front or rear of the panel, while the copper adapter plates can be inserted from the rear of the panel, allowing maximum flexibility for your day-to-day management.



## Optimized Cable Management

LightVerse combo patch panels are available with removable toolless front and rear cable managers sold separately, allowing users to easily control their fiber and copper cabling easily while maintaining optimum performance.

**LightVerse®**  
Unlock a Universe of Possibilities

## MECHANICAL

### LightVerse® Copper/Fiber Combo Patch Panels

OPERATING TEMPERATURE	-20 to 70° C (-4 to 158° F)
FLAMMABILITY RATING	UL 94 V-0
PLASTIC MATERIALS	Flame retardant thermoplastic
DIMENSIONS (L X W X H)	<b>Angled Patch Panel:</b> 482.6mm (19") x 177mm (7") x 44mm (1.73") <b>Flat Patch Panel:</b> 482.6mm (19") x 69mm (2.72") x 44mm (1.73")
MOUNTING CAPABILITY	CEA-310-E 482.6mm (19") rack
CONSTRUCTION MATERIAL	16 gauge and 11 gauge cold rolled steel, Black powder coat

### LightVerse Copper Adapter Plates

OPERATING TEMPERATURE	-20 to 70° C (-4 to 158° F)
FLAMMABILITY RATING	UL 94 V-0
PLASTIC MATERIALS	Flame retardant thermoplastic
DIMENSIONS (L X W X H)	109mm (4.29") x 62mm (2.44") x 20mm (0.79")
FOAM MATERIAL	Silicone Nickel Graphite

### Front Cable Manager

OPERATING TEMPERATURE	-20 to 70° C (-4 to 158° F)
FLAMMABILITY RATING	UL 94 V-0
PLASTIC MATERIALS	Flame retardant thermoplastic
DIMENSIONS (L X W X H)	1U Front Cable Manager: 455mm (18") x 155mm (6.10") x 42mm (1.65")
CONSTRUCTION MATERIAL	16 gauge and 20 gauge cold rolled steel, Black powder coat

### Rear Cable Manager

OPERATING TEMPERATURE	-20 to 70° C (-4 to 158° F)
DIMENSIONS (L X W X H)	1U Rear Cable Manager: 455mm (18") x 214mm (8.43") x 28mm (1.10")
CONSTRUCTION MATERIAL	14 gauge cold rolled steel, Black powder coat

### Fiber Spool Kit

OPERATING TEMPERATURE	-20 to 70° C (-4 to 158° F)
FLAMMABILITY RATING	UL 94 V-0
PLASTIC MATERIALS	Flame retardant thermoplastic
DIMENSIONS (L X W X H)	213mm (8.39") x 120mm (4.72") x 7mm (0.28")
CONSTRUCTION MATERIAL	20 gauge cold rolled steel, Black powder coat

## COMPLIANCE

ISO/IEC 11801 (Patch panels and copper adapter plates)
ANSI/EIA-310-D • ANSI/TIA 607D (Patch panels)
UL/cUL: UL 1863, CSA C22.2 (Patch panels and copper adapter plates)
IEC-62368-1 Ed 2 (Patch panels, copper adapter plates, front and rear cable managers, fiber spool kit)



### Eco-Friendly Packaging:

In line with our ongoing commitment to sustainability, the packaging for this solution is RoHS, lead-free, halogen-free and PVC-free.



Scan here to learn more about the Siemon Sustainability Pledge.

# Ordering Information

## LightVerse® Copper/Fiber Combo Patch Panels

Part Number	Description
LVPC-1UFS01A	LightVerse Copper/Fiber Optic Patch Panel, Flat, 1U
LVPC-1UAS01A	LightVerse Copper/Fiber Optic Patch Panel, Angled, 1U

Panels include grounding screw and mounting hardware.



Flat Patch Panel



Angled Patch Panel

## Related Products

Part Number	Description
LVCA-06-SA	LightVerse Combo Copper Adapter Plate, Shielded*
LVCA-06-UA	LightVerse Combo Copper Adapter Plate, Unshielded*
LVCA-BLNK-A	LightVerse Combo Adapter Plate, Blank*
LV-FCM-1U-01A	Front Cable Manager
LV-RCM-1U-01A	Rear Cable Manager
LV-RSM-KIT-A	Fiber Spool Kit for Rear Cable Manager
PNLA-CVRK-01	Angled Panel Cover

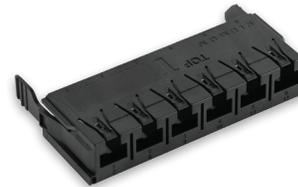
\*LightVerse combo copper shielded, unshielded and blank adapter plates are only compatible with the LightVerse Copper/Fiber Combo patch panels. They are not interoperable with any other panels or enclosures within the LightVerse range.



Adapter Plate - Shielded



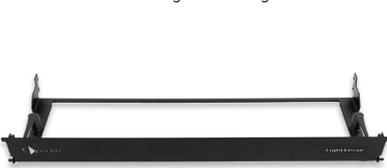
Shielded adapter plate features integrated Quick-Ground™ technology to automatically ground shielded Z-MAX® modules to the panel.



Adapter Plate - Unshielded



Adapter Plate - Blank



Front Cable Manager



Rear Cable Manager



Fiber Spool Kit for Rear Cable Manager



Angled Panel Cover

## Pre-Terminated Copper Trunks Powered by Z-MAX®

Looking for a copper-based plug and play solution? Let Siemon support your next install with a fully tested 6-leg trunk assembly with Z-MAX outlets pre-loaded into the LightVerse Combo Copper Adapter Plate.



# LightVerse®

Unlock a Universe of Possibilities

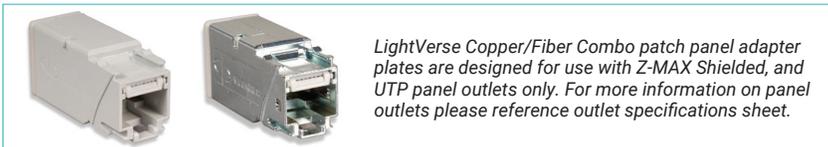


Siemon provides a range of high-performance copper and fiber connectivity options compatible with our LightVerse® Copper/Fiber Combo Patch Panel. These include:

## Copper Connectivity:

View our Z-MAX® panel outlets offering: Category 6 UTP [here](#). | Category 6A UTP [here](#). | Category 6A shielded [here](#).

View our pre-terminated copper trunks offering: North America [here](#). | International [here](#).



LightVerse Copper/Fiber Combo patch panel adapter plates are designed for use with Z-MAX Shielded, and UTP panel outlets only. For more information on panel outlets please reference outlet specifications sheet.

## Fiber Connectivity:

View our full LightVerse fiber optic modules offering [here](#).

View our full LightVerse fiber optic adapter plates offering [here](#).

View our full LightVerse fiber optic splice cassettes offering [here](#).

Siemon has a comprehensive range of high performance pre-terminated fiber optic trunks. These include:

- [Traditional Fiber Trunks](#)
- [MTP-to-LC/SC Trunks](#)
- [MTP-to-MTP Trunks](#)

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

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