

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) | Angled Patch Panel: 482.6mm (19") x 177mm (7") x 44mm (1.73") Flat Patch Panel: 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.

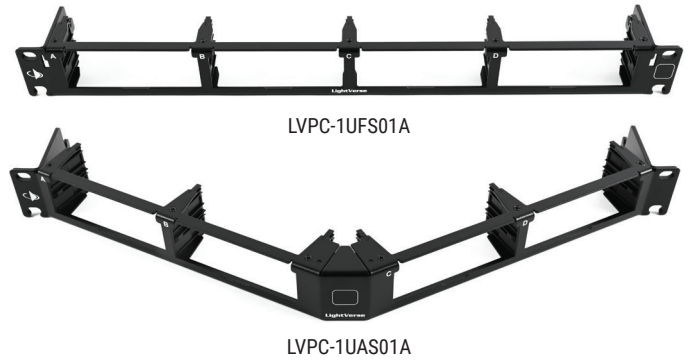
Ordering Information

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.

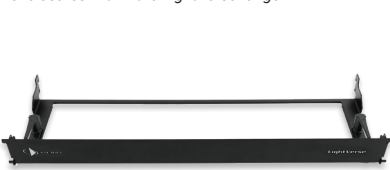
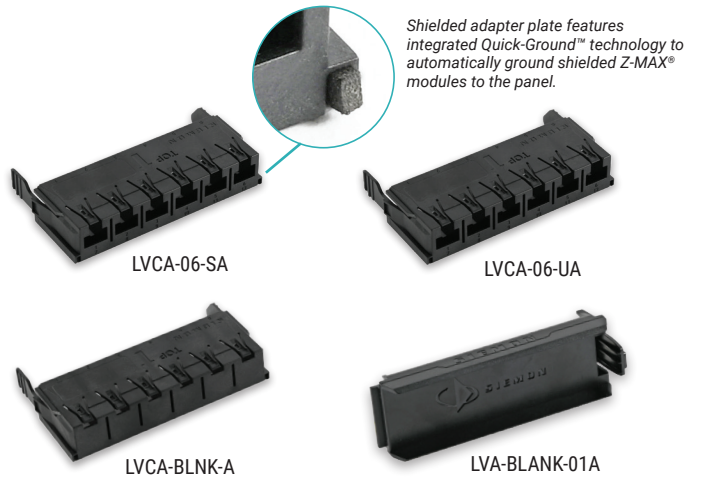
*Note: The LightVerse splice cassettes and TAP modules are not compatible with the angled patch panel.



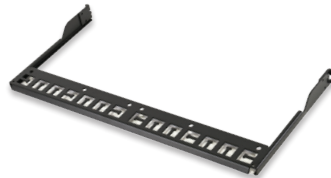
Related Products

| 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* (Half Size Opening) |
| LVA-BLANK-01A | LightVerse Blank Adapter Plate (Full Size Opening) |
| 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.



LV-FCM-1U-01A



LV-RCM-1U-01A



LV-RSM-KIT-A



PNLA-CVRK-01

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

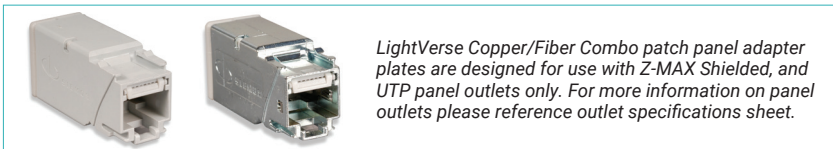


Siemon provides a range of high-performance copper and fiber connectivity options compatible with our LightVerse® Copper/Fiber Combo Patch Panel. These include:

Copper Connectivity:

View our Z-MAX® panel outlets offering: Category 6 UTP and 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.

North America
P: (1) 860 945 4200

Mexico
P: (521) 556 387 7708/09/10

Latin America
P: (571) 657 1950/51/52

Europe
P: (44) 0 1932 571771

Asia Pacific
P: (61) 2 8977 7500

Siemon OEM Technologies
P: (1) 860 945 4213
www.siemon.com/OEM

China
P: (86) 215385 0303

India, Middle East & Africa
P: (971) 4 3689743

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