

SDX & LGX® MTP® Fiber Cassettes

APPLICATION

Leviton SDX and LGX (LightSpace®) Cassettes are pre-terminated, pre-tested, and come with 12-fiber MTP connectors on the back that break out to single connectors on the front. Cassettes are custom built to your specifications. Select from a variety of connectors including LC, SC, ST, and MU to meet your specific application needs. For more information, visit www.leviton.com/configurator.



SPECIFICATION

All pre-terminated solution components, including trunks, cassettes, harnesses, brackets, patch panels, and enclosures, shall be provided and warranted by a single manufacturer. Components with modular (12-fiber) connection shall use MTP rather than MPO connectors. All discrete connectors (LC, SC, ST, MU, etc.) shall use ceramic ferrules and sleeves. Insertion loss for connectors shall be a maximum of 0.5 dB per mated pair for both MTP connectors and discrete connectors. MTP cassettes shall be available in SDX and LGX footprints; each shall be available with MTP connections on the back with a choice of the following front-side connectors: LC, SC, MU, LC/APC, and SC/APC. SDX and LGX cassettes shall be black in color with white silk-screened port number identification. All SDX and LGX cassettes are available in standard TIA methods A, B, and C.

COUNTRY OF ORIGIN

USA

FEATURES

- Plug-n-play fiber eliminates the need for complicated and craft-sensitive field terminations and splices
- Fiber-on-demand manufacturing and logistics allows Leviton to deliver plug-n-play solutions with significantly reduced lead times
- Every fiber component is factory terminated and pre-tested using automated procedures to ensure product quality
- Available in SDX and LGX footprints
- Support up to 24 fibers
- Uses premium low-loss MTP connectors
- Easily interchangeable if a new connector type is needed
- Standard MTP connector terminates 12 fibers; other MTP fiber counts available upon request
- Select from a variety of fiber types including single-mode, multimode, and laser-optimized multimode
- Uses bend-insensitive single-mode and multimode fiber
- All discrete connectors (LC, SC, ST, MU, etc.) are heat cured and use ceramic ferrules and sleeves for consistent performance

DESIGN CONSIDERATIONS

- LGX type fits Leviton LightSpace Rack-Mount Enclosures
- SDX footprint fits Leviton SDX Enclosures

PHYSICAL SPECIFICATIONS

Materials: Powder-coated black with white silk-screened port identification

STANDARDS COMPLIANCE

Meets the following standards:

- IEEE 802.3ae rev. 2002
- Adheres to TIA-942 data center design guidelines
- ANSI/TIA-568-C

PERFORMANCE SPECIFICATIONS

| MODULE INSERTION LOSS PERFORMANCE (dB) | | | | |
|--|------------|---------|-------------|---------|
| | Multimode | | Single-mode | |
| | Typical IL | Max. IL | Typical IL | Max. IL |
| LC | 0.50 | 0.75 | 0.60 | 1.00 |
| SC | 0.55 | 0.75 | 0.60 | 1.00 |
| MU | 0.50 | 0.75 | 0.60 | 1.00 |

WARRANTY INFORMATION

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

| | | | | | |
|---|---|--|--|---|--|
| Leviton Network Solutions 2222 - 222nd St. SE Bothell, WA 98021-4416 tel 1-800-824-3005 tel +1-425-486-2222 appeng@leviton.com www.leviton.com | Asia / Pacific T +1.631.812.6228 E infoasean@leviton.com | Canada T +1.514.954.1840 E pcservice@leviton.com | Caribbean T +1.954.593.1896 E infocaribbean@leviton.com | China T +852.2774.9876 E infochina@leviton.com | Colombia T +57.1.743.6045 E infocolombia@leviton.com |
| | Europe T +33.6.8869.1380 E infoeurope@leviton.com | India / SAARC T +971.4.886.4722 E infoindia@leviton.com | Mexico T +52.55.5082.1040 E lsamarketing@leviton.com | Middle East & Africa T +971.4.886.4722 E lmeinfo@leviton.com | South Korea T +82.2.3273.9963 E infokorea@leviton.com |

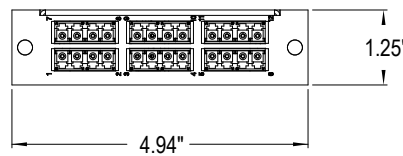
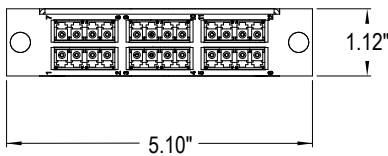
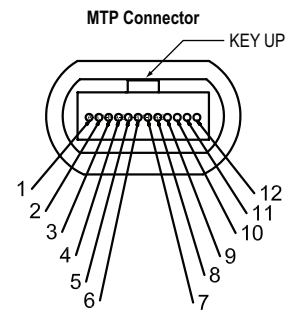
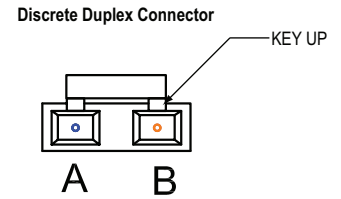
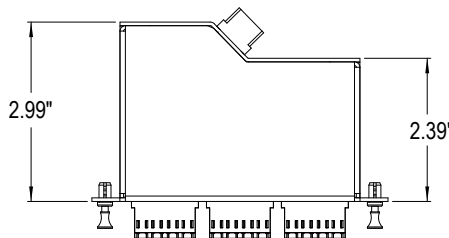
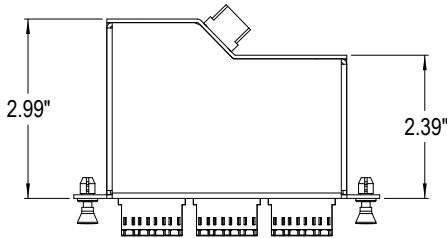
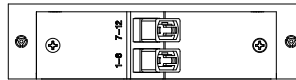
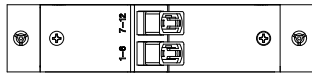
ELECTRONIC FILES

For CAD files, typical specs, or dimensional line art (.DXF, .DWG), visit www.leviton.com.

| COLOR CODES | |
|--|--------|
| Connectors and Adapters | |
| Single-mode | Blue |
| Single-mode, APC (angle polish) | Green |
| Multimode (62.5/125 µm) | Beige |
| Multimode (50/125 µm) | Beige |
| Multimode (50/125 µm laser optimized) | Aqua |
| Multimode (50/125 µm laser optimized) OM4+ | Violet |

| FIBER CAPACITY | |
|--------------------------------|--|
| SDX and LGX® Cassettes | |
| LC connector - 12 or 24 fibers | |
| SC connector - 12 fibers | |
| MU connector - 12 or 24 fibers | |
| ST connector - 12 fibers | |

| TYPICAL PLUG-N-PLAY WIRING CONFIGURATIONS | | | |
|---|-----------------------------|-------------|------------------------|
| Port ID | Discrete Connector Position | Fiber Color | MTP Connector Position |
| 1 | A | Blue | 1 |
| | B | Orange | 2 |
| 2 | A | Green | 3 |
| | B | Brown | 4 |
| 3 | A | Slate | 5 |
| | B | White | 6 |
| 4 | A | Red | 7 |
| | B | Black | 8 |
| 5 | A | Yellow | 9 |
| | B | Violet | 10 |
| 6 | A | Rose | 11 |
| | B | Aqua | 12 |



LGX

SDX

| Make to order! | | SDX & LGX CASSETTE OPTIONS | | | | |
|--|---|--|--|--|---|--|
| FIBER TYPE | CONNECTOR TYPE | FIBER COUNT | MTP FIBER COUNT | FOOTPRINT | COLOR | POLARITY |
| <ul style="list-style-type: none"> • OM1 • OM2 • OM3 • OM4 (aqua) • OM4 + (violet) • OS2 | <ul style="list-style-type: none"> • SC • LC • LC w/ shutters • SC/APC • LC/APC • LC/APC w/ shutters • LC violet • MU • ST | <ul style="list-style-type: none"> • 12 • 24 | <ul style="list-style-type: none"> • 12-fiber | <ul style="list-style-type: none"> • LGX • SDX | <ul style="list-style-type: none"> • Black (standard) • Beige | <ul style="list-style-type: none"> • MTP Method A • MTP Method B, Core • MTP Method B, Edge • MTP Method C |

For assistance customizing your trunk cables, please visit leviton.com/configurator or call Tech Support at 800.824.3005.

Cassettes are equipped with pinned (male) MTP connectors.
 Standard MTP connector terminates 12 fibers.
 Standard color for SDX and LGX modules is black.
 Leviton Plug-n-Play 12-fiber solution follows ANSI/TIA-568-C.0 Fiber Polarity guidelines.
 Additional MTP module configurations available.
 Contact inside sales at 800.722.2082 or visit www.leviton.com/configurator for more information.



Leviton Network Solutions
 2222 - 222nd St. SE
 Bothell, WA 98021-4416
 tel 1-800-824-3005
 tel +1-425-486-2222
appeng@leviton.com
www.leviton.com

Asia / Pacific
 T +1.631.812.6228
 E infoasean@leviton.com

Canada
 T +1.514.954.1840
 E pcservice@leviton.com

Caribbean
 T +1.954.593.1896
 E infocaribbean@leviton.com

China
 T +852.2774.9876
 E infochina@leviton.com

Colombia
 T +57.1.743.6045
 E infocolombia@leviton.com

Europe
 T +33.6.8869.1380
 E infoeurope@leviton.com

India / SAARC
 T +971.4.886.4722
 E infoindia@leviton.com

Mexico
 T +52.55.5082.1040
 E lsamarketing@leviton.com

Middle East & Africa
 T +971.4.886.4722
 E lmeinfo@leviton.com

South Korea
 T +82.2.3273.9963
 E infokorea@leviton.com