



LightGuard® 500 FTTx Aerial Weathertight Fiber Optic Splice Closures

The LightGuard (LG) 500 FTTx Aerial Weathertight Fiber Optic Splice Closure is designed for small count fiber splicing (up to 32 single or 48 mass) in a butt or in-line configuration. Utilized in aerial applications, the LG-500-FTTx is ideal for FTTx access networks by providing cable entry and connectivity for up to 12 drop cables and 16 connections, requiring only a common can wrench for installation.

Specifications

| PARAMETER | VALUE |
|---|---|
| Splice Capacity (Max.)—Single, Mass, Mechanical | 32, 48, 12 |
| Number of Splice Trays (Max.)—Single, Mass, Mechanical* | 1, 1, 1 |
| Cable Entrance Configuration | Butt or In-line |
| Cables | 2 to 4 Express with up to 12 Drop |
| Cable Sizes (Min. O.D.—Max. O.D.) Included Grommets | (4) Cable Ports |
| Single in. (mm) | 4 @ 0.38" - 0.82" (7.6 - 20.8) |
| 6-Port Multi-Drop Grommet in. (mm) | 2 (6 port) @ 0.20" - 0.37" (5.1 - 9.4) |
| Additional Grommets | |
| Dual Grommet in. (mm) | Sm: 0.27" to 0.53" - LG: 0.38" to 0.70" (6.9 - 13.5 / 9.5 - 17.8) |
| 6-Port Multi-Drop Grommet in. (mm) | 0.20" - 0.37" (5.1 - 9.4) |
| Dimensions—(L x W x D) in. (mm) | 27.0 x 8.3 x 4.0 (686.0 x 210.0 x 100.0) |
| Weight—lbs. (kg) | 10.1 (4.58) |

Features

- Four individual, self-sizing grommeted cable ports:
 - 2 express ports
 - 2 multi-drop ports
- 12 drop cables and 16 connections
- Special multi-drop grommet and cable retention
- Special lock-out interior enclosure
- Patented tongue-in-groove cover seal system
- Installation and re-entry only require a common can wrench
- Cable retention clamps provide pullout rating required by Telcordia®
- Engineered thermoplastic to meet Telcordia® aerial and UV resistance requirements
- Rural Utilities Service (RUS)-listed

Ordering Information

| DESCRIPTION | MODEL NO. | AFL NO. |
|--|----------------------------------|--------------|
| LG-500-FTTx Aerial Weathertight Fiber Optic Splice Closure—Stores 32 single fusion or 48 mass fusion, includes (4) cable kits for sealing/retention and (2) ground terminals with removable bond, (1) splice tray, and hanger brackets. Not included: Cable Grounding Kits | LG-500-FTTx | FC000899 |
| LL-2425 Single Splice Tray—Stores (32) single fusion splices. Maximum of 1 tray in the LG-500-FTTx. | LL-2425 | FC000053 |
| Small Single Grommet Kit of (10 pc grommet only) (Min 0.38" - Max 0.82") | Small Single Grommet Kit (10) | 911496-00-00 |
| Small Dual Grommet Kit—Includes: (2) small dual grommets and hardware (Min 0.27" - Max 0.53" and Min 0.38" - Max 0.70") | Small Dual Grommet Kit | 911386-00-01 |
| Small Dual Grommet Kit (10 pc grommet only) (Min 0.27" - Max 0.53" and Min 0.38" - Max 0.70") | Small Dual Grommet Kit (10) | 911495-00-00 |
| Small 6-Port Drop Cable Kit—2 grommets with tie wrap and foam tape. Allows six cable entries (Min 0.20" - Max 0.37" and flat drop) | Small 6 Port Drop Kit | FC000573 |
| Adjustable Aerial Hanger Kit Bracket Kit (included with closure) | Adjustable Hanger LG-400/500/600 | 911497-00-00 |
| Extended Offset Aerial Hanger Kit LG-400/500/600 | Offset Hanger LG-400/500/600 | 91990-00 |

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LightGuard® 500 FTTx Aerial Weathertight Fiber Optic Splice Closures (cont.)

Ordering Information (cont.)

| DESCRIPTION | MODEL NO. | AFL NO. |
|---|--|--------------|
| Retention hardware for additional cables or replacement hardware— LG-400/500/600 (no grommets) | Cable Retention Kit LG-400/500/600 | FC000356 |
| Closure Extension Kit—Used to join multiple closures for extended sheath openings required to repair cable sheath and damaged fibers | Closure Extension Kit LG-400/500/600 | 911499-00-00 |
| 1x6 Fiber Router Kit with furcation tubes. | 1x6 Fiber Router | FC000070 |
| Cable Grounding Kit (pack of 5)—Clamp -On Ground Cable Only | CGK-5 | FC001091 |
| *Mechanical Splice Kit. Includes 10 pieces of VHB tape. Used in all splice trays. Each piece holds 12 splices. | VHB Tape | FA000089 |