



LightGuard® 350-20-WTC Sealed Fiber Optic Splice Closure

The LightGuard (LG) 350-20-WTC is a sealed dome closure designed for medium count fiber splicing (up to 144 single or 576 mass) in a butt configuration where space may be limited. The LG-350-20-WTC has been designed and optimized for use in conjunction with AFL Wrapping Tube Cable (WTC), with SpiderWeb Ribbon® (SWR®). The WTC-focused design provides a basket for easy slack management. Additionally, WTC SpiderWeb Ribbon bundles can be routed and secured to splice trays without the use of transition tubing (when using AFL's WTC-SWR Bundle Splice Tray Retention Kit), greatly reducing installation time. Transition tubing kits are also available if desired.

Features

- Less than 20" overall length; ideal for small hand-holes
- Optimized for AFL WTC but also supports stranded loose tube or ribbon fiber cables in either armored or dielectric configurations
- Installation and re-entry requires only a common can wrench
- Fully sealed to protect fiber and splices ensuring longevity
- Kitted with all parts to install up to two WTC cables (strength member retention not included – not required for WTC)

Specifications

| PARAMETER | | VALUE | |
|---|------------------------------------|-----------------------------------|---|
| Splice Capacity (Max.) – Single, Mass, Mechanical | | 144, 576, 48 | |
| Number of Splice Trays (Max.) – Single, Mass, Mechanical* | | 4, 4, 4 | |
| Cable Entrance Configuration | | Butt | |
| Cables | | 2 to 8 Express with up to 12 Drop | |
| Cable Sizes (Min. O.D. - Max. O.D.) | Included Grommets | (2) Express Ports | (3) Drop Ports |
| | Single – in. (mm) | 0.40" - 1.00" (10.0 - 25.4) | 0.26" - 0.80" (6.6 - 20.0) (Drop Port Entry Kits Not Included) |
| | (4) Flat Drop Only – in. (mm) | | (4 port) 0.26" - 0.80" (6.6 - 20.0) |
| | Additional Grommets | | |
| | Dual Express Port Only – in. (mm) | 0.26" - 0.44" (6.6 - 11.2) | |
| | Quad Express Port Only – in. (mm) | 0.26" - 0.38" (6.6 - 9.7) | |
| | (4) Flat Drop Port Only – in. (mm) | | 0.19" x 0.34" (4.8 x 8.6) or 0.25" round (6.4) |
| Dimensions – (L x D) in. (mm) | | 19.8" x 10.0" (503.0 x 254.0) | |
| Weight – lbs. (kg) | | 12.0 (5.44) | |

continued
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Ordering Information

| DESCRIPTION | MODEL NO. | AFL NO. |
|--|-----------------------------|----------|
| LG-350-20-WTC Fiber Optic Splice Closure—Stores 144 single fusion or 576 mass fusion, includes (2) Express cable kits for sealing/retention and (2) ground terminals with removable bond. Does not include: Cable grounding kits, hanger brackets, splice trays or drop port entry kits | LG-350-20-WTC-U | FC001348 |
| LL-4808L-R Universal Splice Tray—Stores (36) single fusion splices or (12) mass fusion splices (144 F). Maximum of 4 trays in the LG-350-20-WTC | LL-4808L-R | FA000037 |
| LL-4808-R Mass Splice Tray—Stores (12) mass fusion splices (144 F). Maximum of 4 trays in the LG-350-20-WTC | LL-4808-R | FA000020 |
| LL-4808-L Single Splice Tray—Stores (36) single fusion splices. Maximum of 4 trays in the LG-350-20-WTC | LL-4808-L | FA000021 |
| LG-350 Single Grommet Kit (Min. 0.40" - Max. 1.00")—For use in LG-55/LG-350/LG-350-AC/SD/WTC on Express Port side | LG-350 Exp Single Kit | FC000726 |
| LG-350 Dual Grommet Kit (Min. 0.26" - Max. 0.44")—For use in LG-55/LG-350/LG-350-AC/SD/WTC on Express Port side | LG-350 Exp Dual Kit | FC000337 |
| LG-350 Quad Grommet Kit (Min. 0.26" - Max. 0.38")—For use in LG-55/LG-350/LG-350-AC/SD/WTC on Express Port side | LG-350 Exp Quad Kit | FC000421 |
| LG-350 Single Grommet Kit (Min. 0.26" - Max. 0.80")—For use in LG-350/LG-350-AC/SD/WTC on Drop Port side | LG-350 Drop Single Kit | FC000727 |
| LG-350 Drop 4 Flat Drop Grommet Kit—For use with standard flat drop cable and round cable up to 0.25" O.D. | LG-350 Drop 4 Flat Kit | FC000422 |
| Universal Aerial Strand Hanger Kit—For use with LG-150/250/350 | Universal Hanger | FC000006 |
| Extended Offset Strand Hanger Kit—For use with LG-150/250/350 | Extended Offset Hanger | FC000208 |
| Pole or Wall Mount Bracket—For use with LG-150/250/350 | PWK | LGBR-30 |
| 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 |
| O-Ring and Lock Ring Kit—For use with LG-350/AC/SD/WTC | LG-350 O-Ring Lock Ring Kit | FC000775 |
| Transition Tubing Kit - Includes 25 pieces of 25" long tubes for WTC bundles | Tubing Kit | FC001372 |
| WTC-SWR Bundle Splice Tray Retention Kit - Includes 25 foam grommets for retaining SWR bundles to splice trays | Foam Retention Kit | HW000406 |

* See Accessory Specifications.
See Splice Tray Specifications.

Qualifications

| GOVERNING BODY | STANDARD CODE |
|----------------|---------------|
| Telcordia | GR-771 |

Contact AFL for further details.