



Sealed Fiber Optic Splice Closures

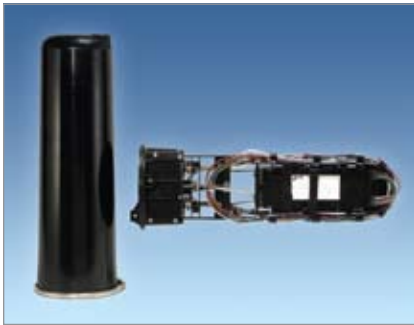
The AFL Telecommunications' family of Sealed Fiber Optic Splice Closures is designed to simplify splice management. Quality engineering reduces the installation time, training and complexity associated with fiber splicing in the field. No heat, adhesives, drills or powered equipment for installation or re-entry are required. These durable, easy to install closures will increase productivity, reduce labor expenses and last the life of your plant.

Features

- Supports stranded loose tube, Uniflex® or ribbon fiber cables in either armored or dielectric configurations
- Installation and re-entry using common hand tools
- Fully sealed to protect fiber and splices ensuring longevity
- Fully kitted with all parts to install cables
- Designed and tested to Telcordia™ GR-771 requirements
- Rural Utilities Service (RUS) Listed

Specifications

MODEL	LG-55-U-0	LG-150-U-0	LG-250-U-0	LG-350-U-0	350-AC	LG-350XL-U-0
Splice Capacity (Max.) - Single, Mass, Mechanical	24, n/a, n/a	48, 144, n/a	96, 288	384, 1152	144, 288	864, 2592, n/a
Number of Splice Trays (Max.) - Single, Mass, Mechanical	1, n/a, n/a	4, 3, n/a	4, 2, 3	12, 8, 8	4, 3	9, 9, n/a
Cable Entrance Configuration	In-line / Butt	Butt	Butt	Butt	Butt	Butt
Cable Ports	2	5	5	5	2 Express Grommets 3 4-Drop Grommets	5 (7 using dual port grommet Express sides)
Cable Sizes (Max. O.D.)	2 @ 0.60" (splice) 2 @ 0.77" (ground / bond)	5 @ 0.70"	5 @ 0.70"	3 @ 0.80" 2 @ 1.00"	2 @ 1.0" 12 @ 0.312" Flat or 0.250" Round	3 @ 1.25" 2 @ 1.35"
Testing - Cable Retention (100 lbs) - Water Resistance (waterhead) - Impact Resistance (0-40 °C) - Chemical Resistance - Cable Flexing	Passed 20 ft. Passed Passed Passed	Passed 20 ft. Passed Passed Passed	Passed 20 ft. Passed Passed Passed	Passed 20 ft. Passed Passed Passed	Passed 20 ft. Passed Passed Passed	Passed 20 ft. Passed Passed Passed
Dimensions - (L x D) in. (cm)	14.00 x 4.00 (35.60 x 10.16)	18.25 x 8.75 (46.36 x 22.23)	19.00 x 8.75 (48.26 x 22.23)	28.00 x 10.00 (71.12 x 25.40)	20 x 10	31.00 x 12.00 (78.74 x 30.48)
Weight - lbs. (kg)	3.0 (1.36)	10.5 (4.76)	11.5 (5.23)	14 (6.35)	13	25 (11.34)



LG-350 Sealed Fiber Optic Splice Closure

The LG-350 is a sealed dome closure designed for large count fiber splicing (≤ 384 single or 1152 mass) in a butt configuration. Utilized in aerial or underground environments where a sealed closure is required, the LG-350 is ideal for express, ring or long haul applications and requires no tools for re-entry.

Features

- Supports stranded loose tube, Uniflex® or ribbon fiber cables in either armored or dielectric configurations
- Installation and re-entry using common hand tools
- Fully sealed to protect fiber and splices ensuring longevity
- Fully kitted with all parts to install five cables (up to 7 cables using dual port washers)
- Designed and tested to Telcordia™ GR-771 requirements
- Rural Utilities Service (RUS) Listed

Specifications

PARAMETER	VALUE
Splice Capacity (Max.) – Single, Mass, Mechanical	384, 1152, 108
Number of Splice Trays (Max.) – Single, Mass, Mechanical	12, 8, 8
Cable Entrance Configuration	Butt
Cable Ports / Cable Sizes (Max. O.D. - Min. O.D.)	5 / 7 (using dual cable configuration for Express ports) 2 Express (1.00" - 0.40") 3 Drop (0.80" - 0.30")
Dimensions – (L x D) in. (cm) / Weight - lbs. (kg)	28.0" x 10.0" (71.12 x 25.40) / 14 (6.35)

Ordering Information

DESCRIPTION	MODEL #	PART #
LG-350 Sealed Fiber Optic Splice Closure – 384 single fusion or 1152 mass fusion capable, includes (5) cable kits for sealing / retention (single and dual cable configurations for express ports) and a grounding terminal. Cable Grounding Kits, hanger brackets and splice trays not included.	LG-350-U-0	FC000009-PS
LL-2400 Splice Tray – Stores (24) single fusion splices, includes base, cover, (1) twenty-four position single splice holder and tie-wraps. Maximum of (12) trays in the LG-350.	LL-2400	91710-06
LL-2448 Splice Tray – Stores (24) single fusion or (4) mass fusion splices, includes base, cover, (1) twenty-four position single splice holder, (1) four position ribbon splice holder and tie-wraps. Maximum of (8) trays in the LG-350.	LL-2448	911289-00-02
LL-4848 Splice Tray – Stores (12) mass fusion splices, includes base, cover, (1) twelve position ribbon splice holder and tie-wraps. Maximum of (6) trays in the LG-350.	LL-4848	911437-00-02
LL-4896 Splice Tray – Stores (96) single fusion splices or (24) mass fusion splices, includes base, cover, (16) six position single splice holders, (6) four position ribbon splice holders and tie-wraps. Maximum of (4) trays using single fusion or (5) trays using mass fusion in the LG-350.	LL-4896	911676-00-02
Cable Grounding Kit – Includes harness and hose clamp. One kit needed per cable entry. For use with LG-150/250/350.	CGH-1	FC000003
Cable Grounding Kit (pack of 5) – Includes harness and hose clamp. For use with LG-150/250/350.	CGH-5	FC000040
O-Ring Replacement Kit – For use with LG-350.	O-Ring LG-300	FC000015
Universal Aerial Offset 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	FC000209
1X6 Cable Splitter Kit	Splitter	FC000070
Pole or Wall Mount Bracket – For use with LG-150/250/350.	PWK	FC000592
Terminal Adapter – For use with LG-350.	LLAS-300-48SC	FC000646
Flat Drop Grommet Kit – For use with standard flat drop cable and round cable up to 0.256" O.D.	Flat Drop Grommet Kit	FC000422



LG-350-AC Drop Access Sealed Fiber Optic Splice Closure

AFL Telecommunications' LG-350-AC sealed dome closure is intended for utilization in aerial or underground environments where a sealed closure is required and space may be limited. Designed for "drop access" applications providing access for up to 12 drops, this closure is also versatile enough to be used for splicing up to 144 single splices in a butt configuration. Ideal for Fiber-to-the-Home installations in small hand-hole applications, the LG-350-AC requires no special tools or extra kits for re-entry.



Specifications

PARAMETER	VALUE
Splice Capacity (Max.) – single, mass	144, 432
Number of Splice Trays (Max.) – single, mass	4, 3
Cable Entrance Configuration	Butt
Cable Ports	5 Ports (14 cables total using flat-drop grommets)
Cable Sizes (O.D.)	Express Side – 2 (0.4"–1.0") Drop Side – 12 (0.31" flat-drop or 0.25" round)
Dimensions (L x D) – inches (cm)	19.8" x 10.0" (50.3 x 25.4)
Weight - lbs. (kg)	12 (5.44)

Ordering Information

DESCRIPTION	MODEL #	PART #
Dome Closure, 144 single fusion capable (with additional trays), 5 cable entry kits for sealing and retention (2-single port for express and 3-quad port for drop), ground terminal, (1) LL-4808L splice tray. No cable grounding or hanger brackets are included.	LG-350-AC	FC000412
Single Fusion Splice Tray - Stores up to 36 single fused fibers (maximum of 4 trays in LG-350-AC)	LL-4808L	FA000021
Mass Fusion Splice Tray - Stores up to 144 mass fused fibers (maximum of 3 trays in LG-350-AC)	LL-4808R	FA000020
Cable Grounding Kit - For LG-150/250/350	CGH-1	FC000003
5 Cable Grounding Kits - For LG-150/250/350	CGH-5	FC000040
O-Ring Replacement Kit for the LG-350	O-Ring LG-300	FC000015
Universal Aerial Offset Strand Hanger kit - For LG-150/250/350	Universal Hanger	FC000006
Extended Offset Strand Hanger Kit - For LG-150/250/350	Extended Offset Hanger	FC000208
Pole or Wall Mount Bracket - For LG-150/250/350	Pole/Wall Mount Brkt	911969-00-00
Single Cable Branch Grommet Kit	Branch Grommet Kit	FC000628
Pole or Wall MT Bracket for use with LG150/250/350	PWK	FC000592

* Unit available for Mass/Ribbon utilization. Consult customer service for details.

Features

- Less than 20" overall length; ideal for small hand-holes
- Supports standard loose tube, outside plant ribbon and Uniflex® fiber optic cables in both dielectric and armored configurations
- Installation and re-entry using common hand tools
- Fully sealed to protect fiber and splices, ensuring longevity
- Fully kitted with all parts to install two cables and up to 12 drops
- Designed and tested to Telcordia™ GR-771 requirements
- Rural Utilities Service (RUS) listed



LG-350XL Sealed Fiber Optic Splice Closure

The LG-350XL is a sealed dome closure designed for large count fiber splicing (up to 864 single or 2592 mass) in a butt configuration. Utilized in aerial or underground environments where a sealed closure is required, the LG-350XL requires no tools for re-entry.

**Note: LG-350XL with grommet cable seals soon to be available.*

Specifications

PARAMETER	VALUE	
Splice Capacity (Max.) – Single, Mass, Mechanical	864, 2592, n/a	
Number of Splice Trays (Max.) – Single, Mass, Mechanical	9, 9, n/a	
Cable Entrance Configuration	Butt	
Cable Ports / Cable Sizes (Max. O.D.)	5 ports / 7 with Dual Express Grommet	
	Express Port Single 1.18" - 0.40" Double 0.56" - 0.44"	Drop Port Single 1.08" - 0.30"
Dimensions - (L x D) in. (cm) / Weight - lbs. (kg)	31.0" x 12.0 (78.74 x 30.48) / 25 lbs. (11.3 kg)	

Features

- Can accommodate up to 10 cables
- Supports stranded loose tube, Uniflex® or ribbon fiber cables in either armored or dielectric configurations
- Flanged O-ring and T-bolt V-band for increased protection at 20' waterhead
- Oversized basket allows multiple configurations of slack storage
- Holds Pirelli™ 1152 fiber count cable at a diameter of 1.35"

Ordering Information

DESCRIPTION	MODEL #	PART #
LG-350XL Sealed Fiber Optic Splice Closure – 864 single fusion or 2592 mass fusion capable, includes (5) cable kits for sealing / retention (single and dual cable configurations) and a grounding terminal. Cable Grounding Kits, hanger brackets and splice trays not included	LG-300XL-U-0	FC000010
LL-4896 Splice Tray – Stores (96) single fusion splices or (24) 288 mass fusion splices, includes base, cover, (16) six position single splice holders, (6) four position ribbon splice holders and tie-wraps. Maximum of (9) trays in the LG-350XL	LL-4896	911676-00-02
Cable Grounding Kit – Includes harness and hose clamp. One kit needed per cable entry. For use with LG-350XL	Single Cable Bonding Kit - 300XL	FC000011
Cable Grounding Kit (pack of 5) – Includes harness and hose clamp. For use with LG-350XL	Cable Bonding Kit - 300XL	FC000041
O-Ring Replacement Kit – For use with LG-300XL	O Ring - 300XL	FC000016
Universal Hanger Bracket – For use with LG-300XL	XL Hanger Bracket	912215-00-00
1X6 Cable Splitter Kit	Splitter	FC000070