

Fiber In-Line Splice Closure (FIC)



PRODUCT DESCRIPTION

The Superior Essex Fiber In-Line Splice Closure (FIC) Series is made of a rugged, environmentally-resistant, molded plastic and grommet seal, which makes these optical fiber splice closures ideal for Outside Plant (OSP) below-grade and aerial applications.

The FIC Series is available in a single-bolt/latch, “clamshell” design, as well as a multi-bolt, two-piece design. The single-bolt/latch closure is specially designed for aerial applications with provisions for strand-mounting and hanger hardware included. This closure, when opened, allows the splice trays to fold open at a 90° angle, thus creating a convenient position for splicing. The multi-bolt, two piece closure is best suited for below-grade applications, with a circumferential bolt pattern to ensure a secure, water-proof seal and a flash valve for seal verification.

The FIC Series offers two sizes of closures to accommodate splice capacities up to 192 Loose Buffer Tube (LBT) and 432 Ribbon fiber counts. A variety of port grommets are included to support in-line, branch and multiple drop cable configurations. An SC/APC adapter panel option, for use of preconnectorized drops, is available for the Type B and Type C closure models. Additional grommets, hanger hardware and splice trays are available as Closure Accessory Kits.

The FIC Series is Telcordia Technologies GR-771-CORE compliant and RUS Listed.

APPLICATIONS

- The FIC Closure Series supports FTTx deployments where aerial or below-grade, sealed optical fiber splicing is required for in-line, branch and multiple drop cable applications.

FEATURES

- Compact design, easy to install and re-enter (Single-bolt/latch opens with ¼ inch hex Allen tool)
- Rugged, water-proof, UV-resistant closures design
- Variety of sealing grommet configurations
- For strand-mount installation, 90° hinged splice tray position for splicing
- Offered in multiple LBT fiber splice capacities
- Accommodates loose buffer tube, ribbon fiber types and splitter tray splice applications

BENEFITS

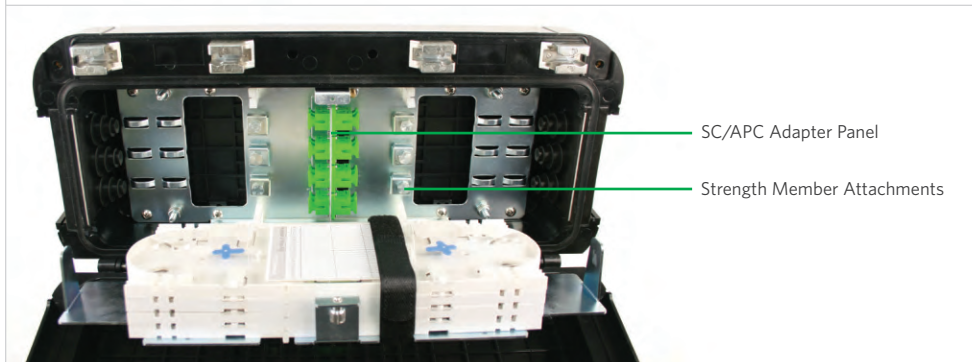
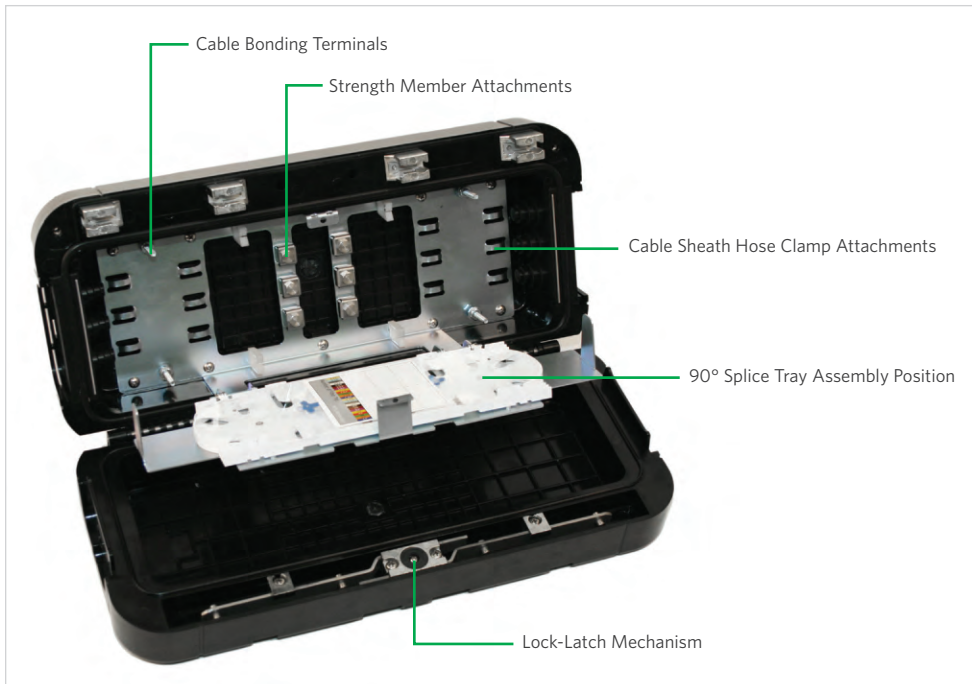
- Reduces installation and maintenance costs
- Provides superior environmental protection from water, dust, insect and rodent intrusion
- Provides flexibility by supporting a variety of cable types, sizes and routing configurations
- Allows easy access to splices and provides “work table” position for ease of splicing
- Easier selection to support the majority of fiber applications
- Provides optimum fiber cable selection flexibility, fiber management, generous slack provisioning and splitter mounting capability

SPECIFICATIONS

Material	ABS/Polycarbonate
Cable Entry Ports	Two (2), 3-port grommets (installed at each end) One (1), 2-port/multi-drop port grommet (included)
Installation/Application	FIC-AD: Below-grade or aerial FIC-BD/FIC-CD: Aerial
All Kits Include	<ul style="list-style-type: none"> One (1), 24-fiber splice tray (FIC-TD240) <ul style="list-style-type: none"> 24 splice sleeves Four (4) transport tubes Eight (8) cable ties One (1) velcro strap Four (4) cable hose clamps One (1) vacuum grease tube One (1) multi-drop port grommet One (1) silicone tape sheet One (1) silicone sealant tube Four (4) large cable ties
FIC-BD100 and FIC-CD100 Kits Also Include	<ul style="list-style-type: none"> Two (2) aerial strand hangers One (1), ¼ inch hex Allen tool
Standards Compliance	Telcordia Technologies GR-771-CORE, Issue 2 Rural Utilities Service (RUS) Listed

CAPACITIES

Part Number		FIC-AD100	FIC-BD100	FIC-BD10A	FIC-CD100	FIC-CD10A
Cable Diameter Range in (mm)		0.375 - 1.0 (8 - 26)	0.375 - 1.0 (8 - 26)	0.375 - 1.0 (8 - 26)	0.375 - 1.0 (8 - 26)	0.375 - 1.0 (8 - 26)
Splice Tray Capacity	Loose Buffer Tube (FIC-TD240)	4	4	4	8	6
	Ribbon (FIC-TD120)	2	2	2	3	3
Maximum Fiber Splice Capacity	Loose Buffer Tube (24 per tray)	96	96	96	192	144
	Ribbon (144 per tray)	288	288	288	432	432
Loose Buffer Tube Storage (8 ft)		8	8	8	16	16
12-Fiber Ribbon Storage (8 ft)		24	24	24	36	36
SC/APC Adapter Capacity		-	-	8	-	12



PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Height in (mm)	Width in (mm)	Depth in (mm)	Weight lb (kg)	Sealing/Locking Method	Maximum Fiber Splice Capacity		
						Loose Buffer Tube (24 per tray)	Ribbon (144 per tray)	SC/APC Adapter Capacity
FIC-AD100	6.69 (170)	16.93 (430)	4.33 (110)	6.61 (3.0)	Multi-Bolt/Two-piece	96	288	-
FIC-BD100	7.48 (190)	16.93 (430)	3.94 (100)	7.50 (3.4)	Single-Bolt/Latch	96	288	-
FIC-BD10A	7.48 (190)	16.93 (430)	3.94 (100)	7.50 (3.4)	Single-Bolt/Latch	96	288	8
FIC-CD100	7.48 (190)	16.93 (430)	5.32 (135)	9.26 (4.2)	Single-Bolt/Latch	192	432	-
FIC-CD10A	7.48 (190)	16.93 (430)	5.32 (135)	9.26 (4.2)	Single-Bolt/Latch	144	432	12