

FIBER OPTIC IN LINE SPLICE CLOSURE – FIC-CA6 DESIGN

Connect's Fiber Optic In-Line Splice Closure Series is made of rugged, environmentally-resistant molded plastic and utilizes grommet sealing technology which makes these optical fiber splice closures ideal for outside plant (OSP) aerial and below ground applications. The FIC-CA6 closure provides protection and the distribution of fiber optical splices, the division of optical signals, while connecting individual subscribers in various applications. This unit is also capable of accommodating various types of splitters, such as 1X4, 1X8, 1X16 and is capable of accommodating up to a maximum of 16 drop cables. Primary cable work is done in the front portion of the closure while the adaptors and drop cables are accessed from the rear. In addition, the unit provides mechanical cable clamping to allow for mid-span branching while providing easy and reliable installation for any environmental condition.



DESIGN

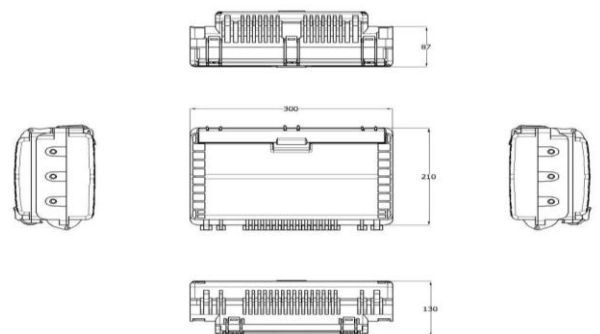
The front compartment of the closure has six main grommet ports for in/out cable distribution while the rear compartment houses the adapter plates and drop ports. The outer case consists of the upper and lower housing and is constructed of highly ruggedized UV and chemical resistant material. The trays are able to accommodate 24F (48F when double stacked in the tray) individual splices with the capacity to hold 1 micro splitter (1x4, 1x8 or 1x16). The closure can manage splice capacities of 72F (144F when double stacked in the tray) Loose Buffer Tube (LBT) or 288 ribbon fiber counts. Most ancillary components necessary for installation are included with each closure to simplify the installation process with additional/replacement cable grommets are available as accessories.

FEATURES

- Compact design, easy to install, re-enterable unit
- Rugged, water-proof, UV-resistant closure design (IP65/IP68 depending on rear gasket used)
- Integrated Air Flash Valve and Grounding Bolt
- Provides superior environmental protection from water, dust, insect and rodent intrusion
- Variety of sealing grommets made of silicone for proven water tightness are available
- Grommets are also designed for mid span loop-thru by simple cutting
- Provides flexibility by supporting a variety of cable types, sizes and routing configurations
- Splice trays are designed for double layered storage (by inserting two sleeves in one location)
- Ideal for outside plant (OSP), aerial and below ground installation.
- Accommodates loose buffer tube, ribbon fiber types, mechanical splice and micro-splitter applications

SPECIFICATIONS

Size (L*W*H)	300mm X 210mm X 140mm
Weight (kg)	2.2
Inlet ports(Max)	6 Feeder & 16 Drop
Cable Dia. (mm)	Feeder: 3 ~ 16 Drop: Flat 2x3/Round 3~6
No. of splice tray	3
Tray capacity	24F LBT (Max. 48F LBT)
Splice capacity	72F LBT (Max. 144F LBT) / 288F Ribbon Cable
Splice method	Fusion, Mechanical, connector
Adapter Capacity	16 SC- APC/UPC or LC
Splitter Capacity	1x4, (2) 1x8, 1x16



CONNECT
telecommunications solutions inc.

650 Rupert Street | Unit #6 | Waterloo ON | N2V 2R8
Phone: 519.748.4411 | 1-877-900-7996 | fax: 519.748.0466
customerservice@connect-telcom.com

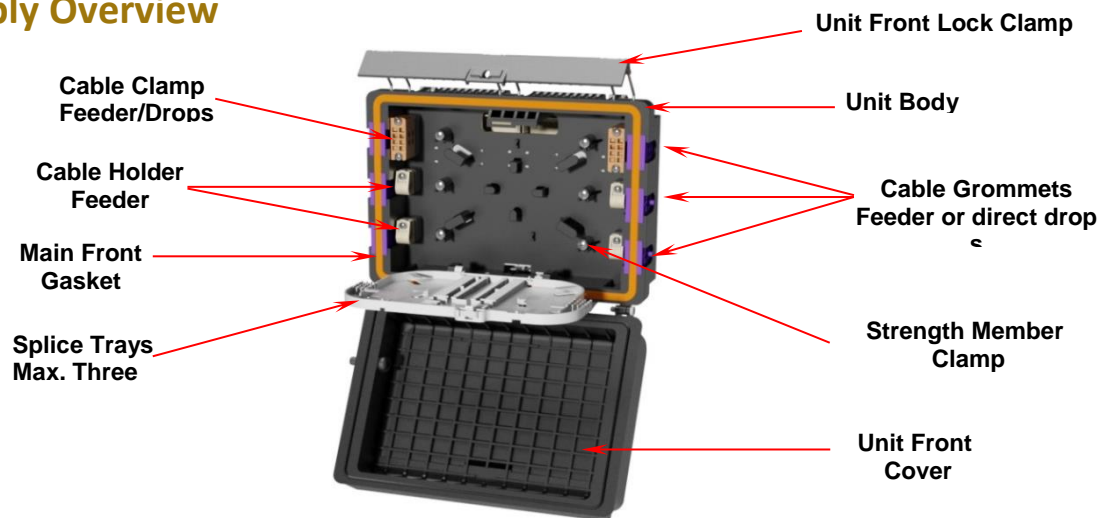
www.connect-telcom.com

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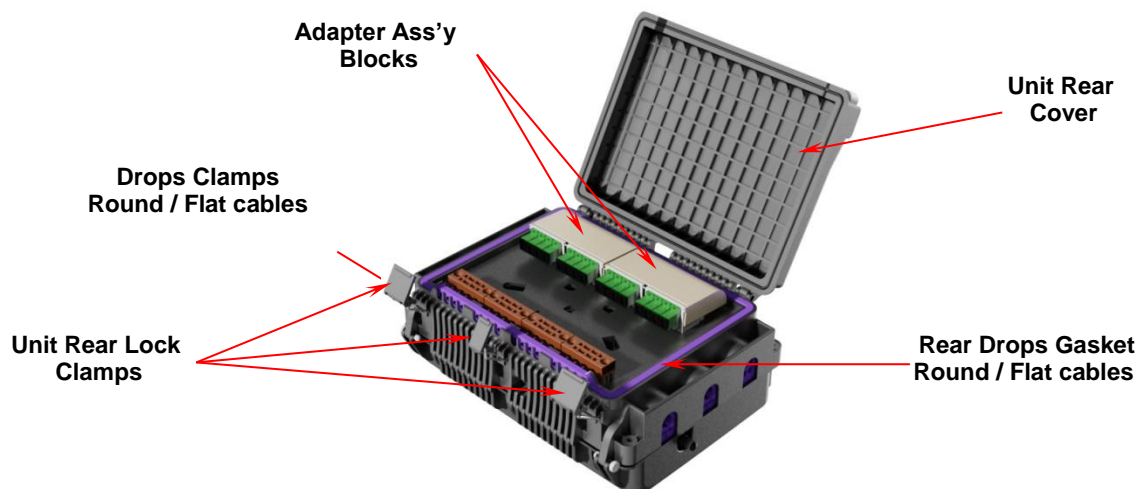
Ordering Information

Part Number	Description
CF-FIC-CA6-200-SCA	Fiber In Line Splice Closure for aerial or underground applications. Configured with 6 Ports and capacity for up to 16 Drops. Dimensions of 300mm X 210mm X 130mm. Unit includes 3 x Splice Trays with integrated splitter holder, 1 x Front Main Gasket, 1 x Rear U-Shape Gasket for Drops, 1 x Rear Round Shape Gasket for Drops, 2 x Adapter Plate with 8ea SC/APC Adapters installed, 1 x 16 Port Drop Cable Holder, 1 x 16 Drop Cable Guides, 16 x Flat Drop Cable Gaskets, 16 x Flat Drop Holder Gaskets, 4 x 7.0mm-16mm Mono Port Grommets, 4 x 6mm Tetra Port Grommets, 6 x Cable Clamps, 4 x Tetra Cable Holders, Aerial Mounting hardware and standard installation components.
CF-FIC-PGTL-SCA-8K	Pigtail Kit – 8 x Pigtail, Single Mode G657A2 900um, LSZH Yellow Jacket tight buffer Corning Glass Fiber with one end SC/APC Connector and other end bare

Assembly Overview



Unit Front View



Unit Rear View