

Fiber Dome Splice Closure (FDC)



FD2-BD

FDC-CD

FD2-AD

SPECIFICATIONS

Material	ABS/polycarbonate
Dome Sealing/Locking	Bolted sealing ring with padlock hasps
Seal Verification	Flash test air valve
FD2-AD/FD2-BD Kit Includes	<ul style="list-style-type: none"> One (1), 24-fiber splice tray (FDC-TD240) <ul style="list-style-type: none"> 24 splice sleeves Four (4) spiral transport tubes One (1) velcro strap Two (2) 9-16 mm cable compression glands Two (2) 3-hole drop compression glands One (1) roll sealant tape One (1) cable O.D. ruler Two (2) aerial hanger brackets
FDC-CD Kit Includes	<ul style="list-style-type: none"> One (1), 24-fiber splice tray (FDC-TD240) <ul style="list-style-type: none"> 24 splice sleeves Four (4) spiral transport tubes One (1) velcro strap Four (4) aluminum foil strips One (1) small port heat shrinkable tube Four (4) medium port heat shrinkable tubes One (1) large oval port heat shrinkable tube Eight (8) cable ties One (1) sand paper sheet One (1) silica gel pack One (1) cable branch clip One (1) alcohol wipe
Standards Compliance	Telcordia Technologies GR-771-CORE, Issue 2 Rural Utilities Service (RUS) Listed

PORT AND GROUNDING SPECIFICATIONS

Part Number	Number of Round Ports	Round Port Cable O.D. Range in (mm)	Number of Express Ports	Express Port Cable O.D. Range in (mm)	Maximum Round or Flat Drops	Round/Flat Drop O.D. in (mm)	Port Sealing Method	Thru-Bolt Grounds
FD2-AD10F	2*	0.28-0.63 (7-16)	1 Dual cable	0.39-0.79 (10-20)	6	0.28/0.18 x 0.31 (7/4.5 x 8)	Compression gland	4
FD2-BD10F	4*	0.28-0.63 (7-16)	1 Dual cable	0.39-0.79 (10-20)	12	0.28/0.18 x 0.31 (7/4.5 x 8)	Compression gland	6
FDC-CD10F	5	0.12-1.34 (3-34)	1 Dual cable	0.12-1.61 (3-41)	-	-	Heat-shrink tube	4

*Round ports can be used for a single feeder cable or multiple (3) round or flat drops

PRODUCT DESCRIPTION

The Superior Essex Fiber Dome Splice Closure (FDC) Series is made of a rugged, environmentally-resistant, molded plastic that makes this optical fiber splice closure ideal for Outside Plant (OSP) below-grade, aerial and direct buried applications.

The FDC Closure Series employs a lightweight, ribbed dome with a two-piece bolted sealing ring to provide a low-cost, water-proof, impact-resistant closure for optimum fiber splice protection. The FDC is designed to support butt-end, branch and express cable configurations as well as round or flat drops. All FDC closures include a flash valve for seal verification.

The FDC Series offers three sizes of closures to accommodate splice capacities up to 288 Loose Buffer Tube (LBT) fiber counts. Most ancillary components necessary for installation are included with each FDC closure to simplify the installation. Additional cable glands and splice trays are available as Closure Accessory Kits.

The FDC Series is Telcordia Technologies GR-771-CORE compliant.

APPLICATIONS

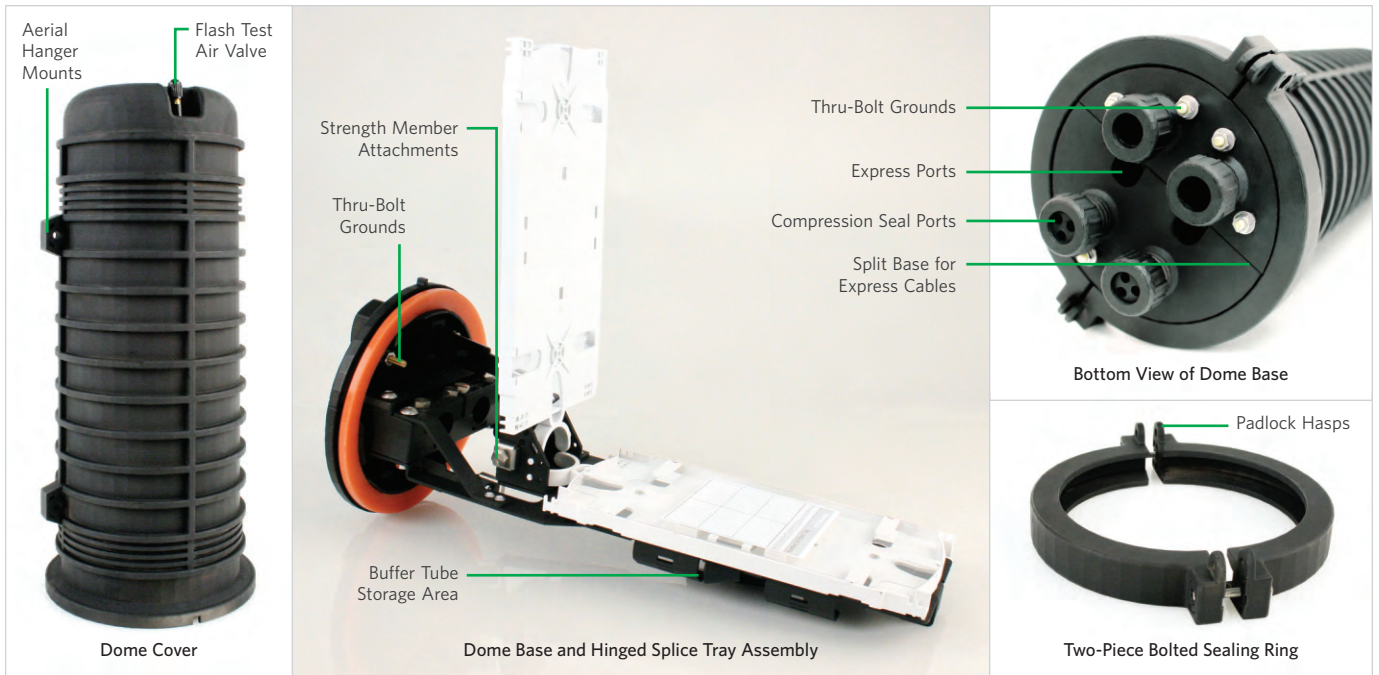
- FTTx deployments where aerial, below-grade and direct buried, sealed optical fiber splicing is required

FEATURES

- Lightweight, easy to install and re-enterable using a compression gasket cable sealing design with split base for express cables
- Designed to support multiple applications with one closure
- Durable, water-proof, UV-resistant compact design
- Designed for wide range of installation methods
- Variety of cable entry sizes and configurations
- Universal, hinged splice tray configuration
- Offered in three LBT fiber splice capacities: 96, 144 and 288
- Includes ancillary components to support most installations

BENEFITS

- Reduces installation and maintenance costs
- Reduces the number of closures for ordering and inventory
- Provides superior environmental protection from water, dust, insect and rodent intrusion
- Supports aerial, pole-mount, below-grade, direct-buried and pedestal applications
- Provides flexibility for cable routing diversity and drop cables
- Accommodates splice trays from popular suppliers
- Easy selection to support majority of fiber applications
- Reduced installation costs and inventory of "small parts"



DIMENSIONS AND FIBER/STORAGE CAPACITIES

Part Number	Height in (mm)	Diameter in (mm)	Weight lb (kg)	Splice Tray Capacity		Fiber Splice Capacity		Buffer Tube Storage	
				Loose Tube (FDC-TD240)	Ribbon (FDC-TE144)	Loose Tube (24 per tray)	Ribbon (144 per tray)	Loose Tubes (8 ft per tube)	Ribbons (8 ft per ribbon)
FD2-AD10F	17.52 (445)	5.12 (130)	5.51 (2.5)	4	2	96	288	8	12
FD2-BD10F	20.87 (530)	6.30 (160)	7.72 (3.5)	6	3	144	432	12	18
FDC-CD10F	27.36 (695)	9.25 (235)	15.43 (7.0)	12	6	288	864	24	36