

CF FIBER DOME SPLICE CLOSURE

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The CF 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 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 FDSC closures include a flash value for seal verification.

The FDC Series offers four sizes of closures to accommodate splice capacities up to 576 Loose Buffer Tube (LBT) fiber counts and 1,152 Ribbon fiber counts. Most ancillary components necessary for installation are included with each FDSC closure to simplify the installation. Additional cable glands and splice trays are available as Closure Accessory Kits.

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

Features and Benefits

- 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
- Variety of cable entry sizes and configurations
- Universal, hinged splice tray configuration
- Offered in four fiber splice capacities LBT: 96, 144, 288 and 576 or Ribbon: 288, 432, 864, and 1152
- Includes ancillary components to support most installations
- Reduces the number of closures for ordering and inventory
- Provides superior environmental protection from water, dust, insect and rodent intrusion
- Designed for wide range of installation methods
- 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

Applications

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

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telecommunications solutions inc.

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Ordering Information

Part Number	CTSF-FDC-S-2P-124LT "A" Style	CTSF-FDC-M-4P-124LT "B" Style	CTSF-FDC-L-4P-136LT "C" Style	CTSF-FDC-XL-4P-172LT "D" Style
Description	Maximum 96 LBT/288 RF fiber, 1 dual loop thru with 2 ports/6 drops w/24 LBT fiber splice tray	Maximum 144 LBT/432 RF fiber, 1 dual loop thru, 4 ports/12 drops w/24 LBT fiber splice tray	Maximum 288 LBT/864 RF fiber, 1 dual loop thru, 4 ports/16 drops w/36 LBT fiber splice tray	Maximum 576 LBT/1,152 RF fiber, 1 dual loop thru, 4 ports/16 drops w/72 LBT fiber splice tray
Material	ABS/Polycarbonate			
Seal Verification	Flash test air valve			
Dome Sealing/Locking	Single-latch sealing ring with padlock hasp			
Maximum Fiber Splice				
Loose Tube (24/tray)	96 (4 Loose Tube trays)	144 (6 Loose Tube trays)	288 (8 Loose Tube trays)	576 (8 Loose Tube trays)
Ribbon (144 per tray)	288 (2 Ribbon Fiber trays)	432 (3 Ribbon Fiber trays)	864 (6 Ribbon Fiber trays)	1,152 (8 Ribbon Fiber trays)
Cable Diameter Range [in (mm)]				
Round Ports	0.28 – 0.63 (7 – 16)	0.28 – 0.63 (7 – 16)	0.28 – 1.00 (7 – 25)	0.28 – 1.00 (7 – 25)
1 dual loop thru ports	0.39 – 0.79 (10 – 20)	0.39 – 0.79 (10 – 20)	0.88 – 1.28 (22 – 32)	0.88 – 1.28 (22 – 32)
Loose Buffer Tube Storage (8ft)	8	12	24	48
12-Fiber Ribbon Storage (8ft)	24	36	72	96
Height [in (mm)]	17.52 (445)	20.87 (530)	24.00 (610)	28.00 (712)
Diameter [in (mm)]	5.12 (130)	6.30 (160)	9.25 (235)	9.25 (235)
Weight [lb (kg)]	5.51 (2.5)	7.72 (3.5)	13.0 (5.9)	15.5 (7.0)
Standards Compliance	Telcordia Technologies GR-771-CORE, Issue 2 Rural Utilities Service (RUS) Listed			
Standard Kit Components				
<ul style="list-style-type: none"> • Eight (8) Loop-thru port spacers • Four (4) additional Loop-thru entry grommets • One (1) Extra compression nut for feeder/drop port • Four (4) spiral transportation tubes • Two (2) Sealing tape strips • One (1) Aerial hanger kit • Ten (10) cable ties • One (1) outside diameter ruler • One (1) Velcro splice tray strap • One (1) silica gel pack • One (1) Silicone sealant tube • One (1) Vacuum grease tube • One (1) alcohol tissue pack 				
Additional Kit Components per Model				
Round drop cable entry	Two (2) 7-9mm Grommets	Four (4) 7-9mm Grommets	Four (4) 7-9mm Grommets	Four (4) 7-9mm Grommets
Distribution cable entry	Two (2) Grommets	Four (4) Grommets	Four (4) Grommets	Four (4) Grommets
Strength member attachment brackets	Two (2) Brackets	Four (4) Brackets	Four (4) Brackets	Four (4) Brackets
Hose clamps	Two (2) Clamps	Four (4) Clamps	Four (4) Clamps	Four (4) Clamps
Splice Sleeves	Twenty-Four (24)	Twenty-Four (24)	Thirty-Six (36)	Seventy-Two (72)

Accessories

Part Number	Description	Kit Components
CTSF-FDC-SPLTRY-RF144/LBT12	Splice Tray Kit – 144 Ribbon	Splice tray, 12 ribbon splice sleeves, 4 transport tubes, 8 cable ties
CTSF-FDC-SPLTRY-LBT-24	Splice Tray Kit – 24 LBT	Splice tray, 24 splice sleeves, 4 transport tubes, 8 cable ties
CTSF-FDC-SPLTRY-LBT-36	Splice Tray Kit – 36 LBT	Splice tray, 35 splice sleeves, 4 transport tubes, 8 cable ties
CTSF-FDC-SPLTRY-LBT-72	Splice Tray Kit – 72 LBT	Splice tray, 72 splice sleeves, 4 transport tubes, 8 cable ties
CF-FDC-GDR07	End Grommet Kit – 3 round drop ports (7mm)	25 grommets (A & B models only)
CF-FDC-GDR09	End Grommet Kit – 2 round drop ports (9mm)	25 grommets (A & B models only)
CF-FDC-GDF08	End Grommet Kit – 3 flat drop ports (4.5 x 8mm)	25 grommets (A & B models only)
CF-FDC-GFR12	End Grommet Kit – 1 round port (9-12mm)	25 grommets (A & B models only)
CF-FDC-GFR16	End Grommet Kit – 1 round port (13-16mm)	25 grommets (A & B models only)
CF-FDC-GFR20	End Grommet Kit – 1 round port (20mm)	25 grommets (C & D models only)
CF-FDC-CFR25	End Grommet Kit – 1 round port (25mm)	25 grommets (C & D models only)
CF-FDC-CDR07	End Grommet Kit – 4 round ports (7-9mm)	25 grommets (C & D models only)
CF-FDC-CDR08	End Grommet Kit – 4 flat drop ports (4.5 x 8mm)	25 grommets (C & D models only)
CF-FD2-COOL	Compression Connector Wrench	1 wrench
CF-FDC-HANGER	Replacement unit	Two (2) 6 inch hanger arms, two (2) large hose clamps and fastening hardware

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Contents Listing



COMPONENT CONTENTS

Number	Item	FDC "A"	FDC "B"	FDC "C"	FDC "D"	Notes
1	Dome cover	1	1	1	1	Factory installed
2	Closure base with gasket	1	1	1	1	Factory installed
3	Locking collar	1	1	1	1	Factory installed
4	Distribution cable entry grommets	2	4	4	4	Included
5	Round drop cable (7 - 9 mm) entry grommets	2	4	4	4	Included
6	Flat drop cable entry grommets	2	4	4	4	Factory installed
7	Cable ties	8	8	16	24	Included
8	Vacuum grease tube	1	1	2	2	Included
9	Silicone sealant tube	1	1	2	2	Included
10	Hose clamps	2	4	8	8	Included
11	Strength member attachment brackets	2	4	4	4	Included
12	Extra compression nut for feeder/drop port	1	1	1	1	Included
13	Loop-thru port spacers	8	8	8	8	Included
14	Loop-thru entry grommets	6	6	6	6	2 factory installed 4 included
15	Aerial hanger kit	1	1	1	1	Included
16	Sealing tape strips	2	2	4	4	Included
17	24-fiber splice tray (FDC-TD240)	1	1	-	-	Factory installed
	36-fiber splice tray (FDC-TD360)	-	-	1	-	Factory installed
	72-fiber splice tray (FDC-TD720)	-	-	-	1	Factory installed
18	Velcro splice tray strap	1	1	1	1	Included
19	Splice sleeves	24	24	36	72	Included
20	Spiral transportation tubes	4	4	6	12	Included
21	Outside diameter ruler	1	1	1	1	Included
22	Silica gel pack	1	1	1	1	Included
23	Alcohol tissue pack	1	1	1	1	Included

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