## Dome Closures for FTTX Applications

Charles Fiber Optic Dome Closures (FODC) provide a versatile solution for splicing and protecting outdoor fiber connections in a familiar dome form. FODC units can be deployed to support a variety of topologies, including strand, pole mountings, and below-grade vault placements. These closures use compression grommet technology to provide an easy-to-use economical cable sealing solution. Charles offers two sizes of FODC and accommodates up to 144 (FODC-A) or 288 (FODC-B) single fusion fiber splices.

The FODC-A unit is also available with a deeper tray for use with ribbon fiber cables. These trays can accommodate up to 8 ribbons per tray and two trays can fit in a closure for a total of 196 mass fusion splicing.
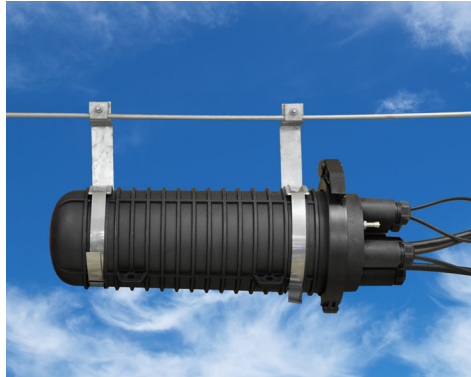

Fiber Optic Dome Closures

FEATURES

- Robust UV-stabilized glass-filled polypropylene housing
- Available in two sizes- 144 (FODC-A) or 288 (FODC-B) splice capacity
- Units can accommodate single fusion and ribbon fiber splicing
- Fiber splice trays and cable ingress/egress grommets are included
- Closures are aerial, pole, wall or below-grade mountable for flexible placements
- Environmentally sealed and IP 68 rated for below grade deployment

MARKETS SERVED:

- ■ Telecom / FTTX
- ■ Utility
- □ Wireless
- ■ Broadband Cable

Fiber Basket expresses 144 Fiber Cable
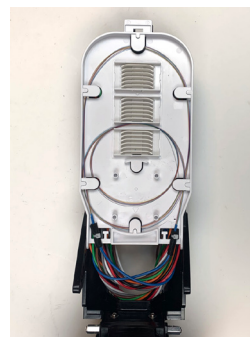
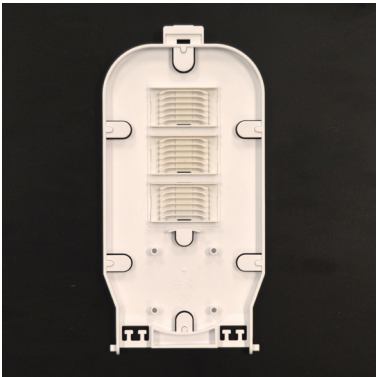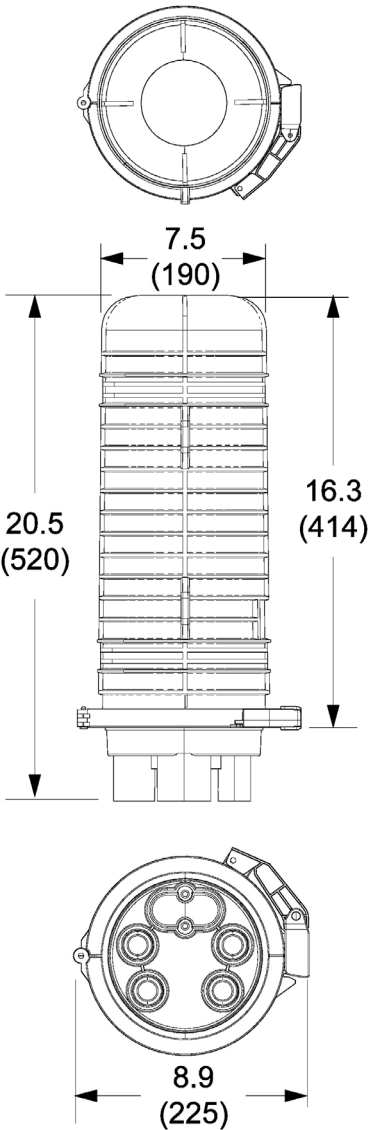*Splice Trays with fiber management & slack storage*

Hinged Splice Trays have a lock-in place feature

FODC-A Product Specifications

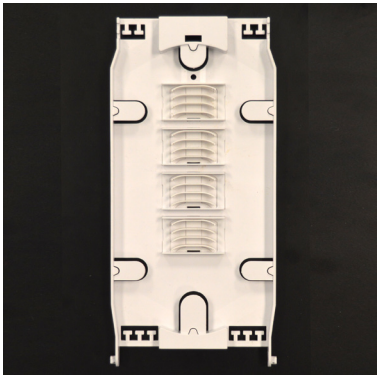|	
Model	FODC-A
External Dimensions	20.5" x 8.9" (520 x 225 mm)
Weight	9.2 lbs. (4.2kg)
Ambient Temperature	-40°F to +149°F (-40°C to +65°C)
Splice Trays	Four (4) 36 Fiber Splice Trays included
Splice Capacity Single Fusion	144 Splices (double stacked)
Splice Capacity Mass Fusion	196 (with FODCARBTRAY)
Feed Cable Port Accommodation	0.315" – 0.71" O.D. (8 – 18 mm)
Four Branch Port Cable Entries	Each port can accommodate 0.315" – 0.71" (8 – 18 mm) cable or multiple smaller cables per port. See ordering information for grommet options
Grounding	Optional version with bond connectors and ground wires
Mounting	Optional pole or aerial mounting kits available, sold separately

FODC-A Dimensions

7.5 (190)

20.5 (520)

16.3 (414)

8.9 (225)

FODC-A Splice Tray

Base Cable Entries

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FODC-B Product Specifications

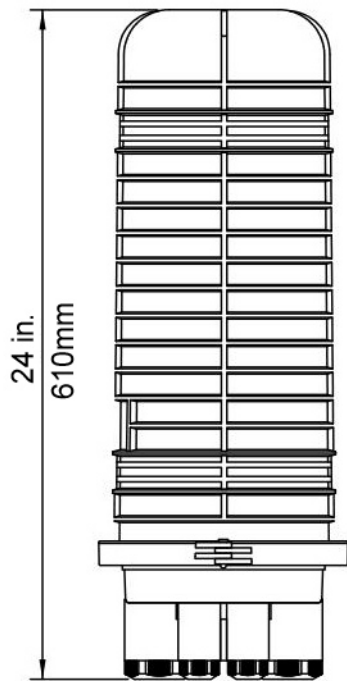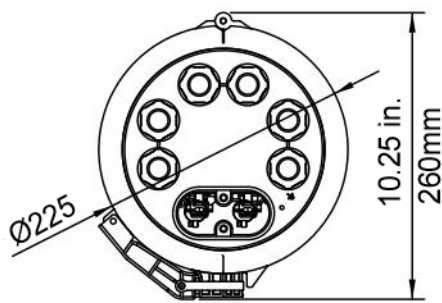|	
Model	FODC-B
External Dimensions	24" x 10.2" (610 x 260 mm)
Weight	11 lbs. (5kg)
Ambient Temperature	-40°F to +149°F (-40°C to +65°C)
Splice Trays	Six (6) 48 Fiber Splice Trays included
Splice Capacity Single Fusion	288 Splices (triple stacked)
Feed Cable Port Accommodation	0.315" – 0.785" O.D. (8 – 20 mm)
Four Branch Port Cable Entries	Each port can accommodate 0.315" – 0.71" (8 – 18 mm) cable or multiple smaller cables per port. See ordering information for grommet options
Grounding	Optional version with bond connectors and ground wires
Mounting	Optional pole or aerial mounting kits available, sold separately

FODC-B Dimensions

Ø225

10.25 in.
260mm

24 in.
610mm

FODC-A Splice Tray

Base Cable Entries

D-OSP195-G25

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Ordering Specifications

Part Number	Description
FODCA144BCEFN	144 splice capacity dome closure with 4 splice trays and sealing components
FODCA144BG	144 splice capacity dome closure with 4 splice trays and sealing components, includes 4 shield bond connectors & 4 ground wires
FODCARBG	Dome closure with 2 deep FODC-A splice trays for ribbon fiber, 8 ribbon slots per tray, ribbon accessories, ground kit
FODCB288BCDEF	288 splice capacity dome closure with 6 splice trays and sealing components
FODCB288BG	288 splice capacity dome closure with 4 splice trays and sealing components, includes 4 shield bond connectors & 4 ground wires
97-FODCPLKTA	Pole mount kit for FODC-A with brackets and bands
97-FODCPLKTB	Pole mounting kit for FODC-B with brackets and bands
97-FODCAMKT	Aerial mount kit for FODC-A & FODC-B
97-FODCAGR	Grommet kit: 1-hole 13-17mm, bag of 10
97-FODCARBTRAY	Deep ribbon fiber tray for FODC-A
97-FODCBGR	Grommet kit: 1-hole 8-14mm, bag of 10
97-FODCCGR	Grommet kit: 4-hole 5-7mm, bag of 10
97-FODCDGR	Grommet kit: 4-hole 5mm, bag of 10
97-FODCEGR	Grommet kit: 9-hole 3-4mm, bag of 10
97-FODCFLGR	Grommet kit: 2-hole 8x4.5mm, bag of 10
97-FODCHGR	Grommet kit: 2-hole 6-8mm, bag of 10

97-FODCPLKTA
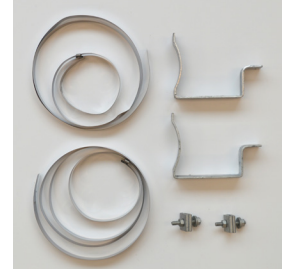
97-FODCAMKT

Please contact your Charles representative for addition configurations

Grommet Options

Branch Port Grommet			
Label	**View**	**Cable Sizes**	**Ordering Number**
A		1-hole 13-17 mm	97-FODCAGR
B		1-hole 8-14 mm	97-FODCBGR
C		4-hole 5-7 mm	97-FODCCGR
D		4-hole 5 mm	97-FODCDGR
E		9-hole 3-4 mm	97-FODCEGR
F		2-hole 8 x 4.5 mm	97-FODCFLGR
H		2-hole 6-8 mm	97-FODCHGR

Grommet kits come 10 grommets and end plates to a bag