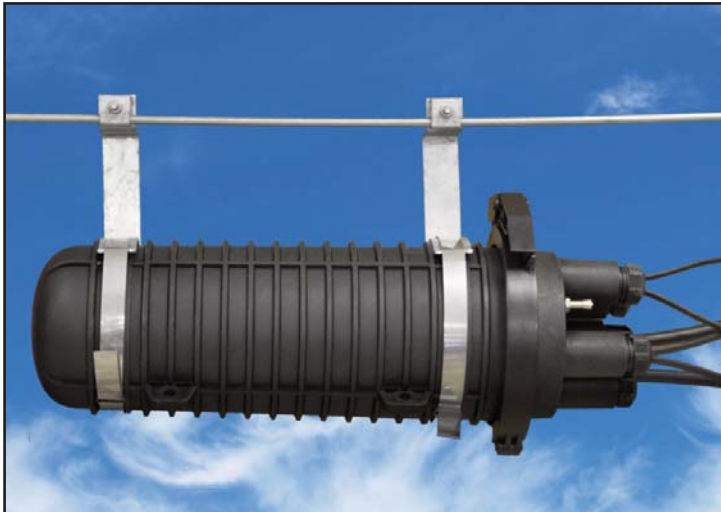


# Fiber Optic Dome Closures (FODC)

## 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 factor. FODC units can be deployed to support a variety of topologies including strand or pole mountings, as well as below grade vault placements. These closures use mechanical compression technology to provide an easy to use economical cable sealing solution. Charles offers two sizes of FODC that accommodate up to 144 (FODC-A) or 288 (FODC-B) single fusion fiber splices.

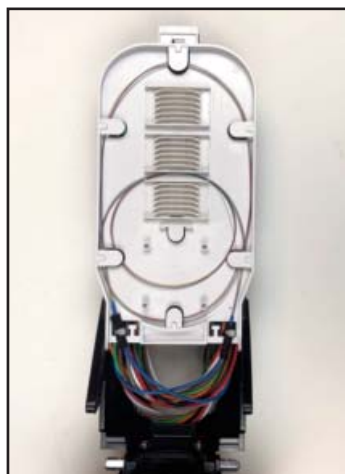


## Product Features

- Robust UV stabilized glass filled polypropylene housing
- Two sizes with 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 water submersion



**Fiber Basket expresses  
144 Fiber Cable**



**Splice Trays with fiber  
management & slack storage**

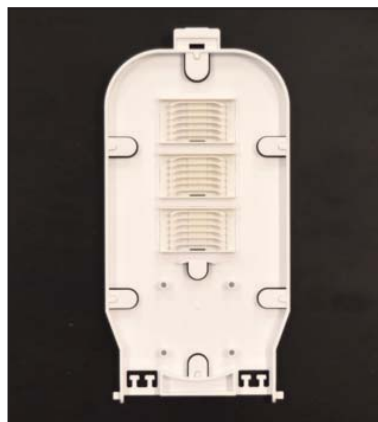
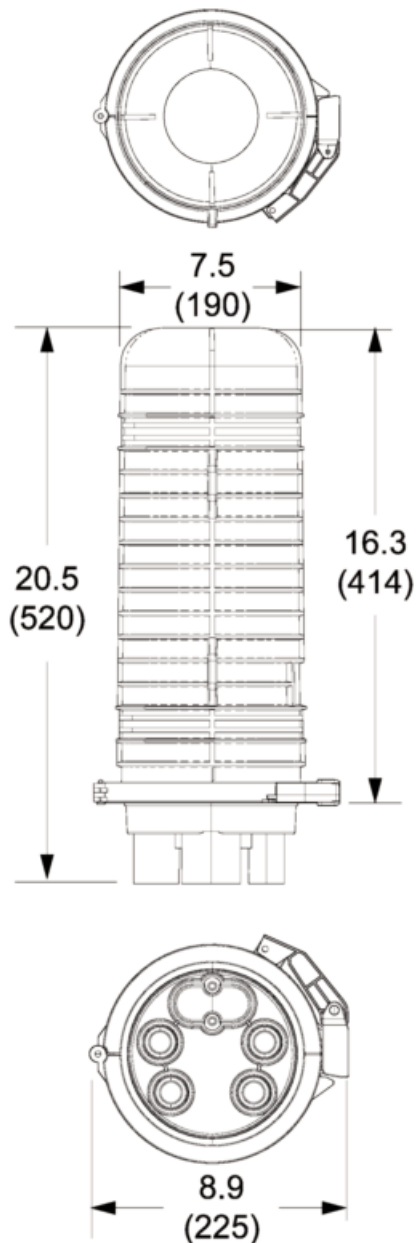


**Hinged Splice Trays have  
a lock-in place feature**

## 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)
Feed Cable Port Accommodation	0.315" – 0.689" O.D. (8 – 17.5 mm)
Four Branch Port Cable Entries	Each port can accommodate 0.315" – 0.669" (8 – 17 mm) cable or multiple smaller cables per port. See ordering information for grommet options
Mounting	Optional pole or aerial mounting kits available, sold separately

## FODC-A Dimensions



FODC-A Splice Tray

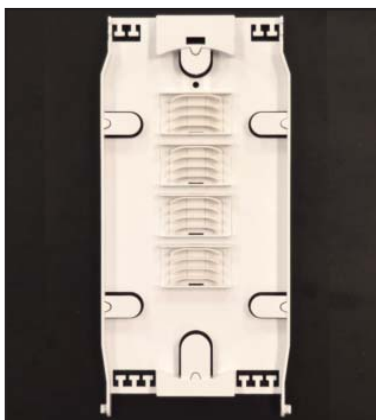
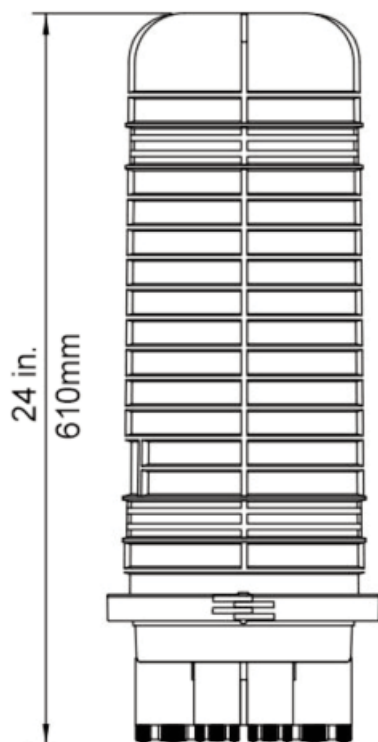
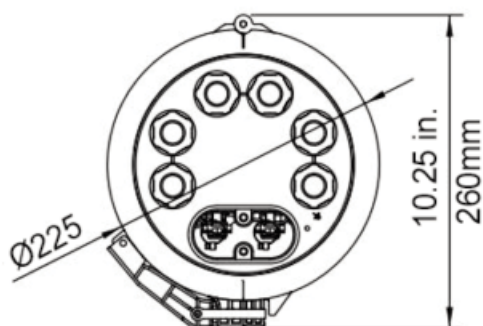


Base Cable Entries

## 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)
Six Branch Port Cable Entries	Each port can accommodate 0.315" – 0.669" (8 – 17 mm) cable or multiple smaller cables per port. See ordering information for grommet options
Mounting	Optional pole or aerial mounting kits available, sold separately

## FODC-B Dimensions



FODC-B Splice Tray



Base Cable Entries

# Ordering Information

Part Number	Description
FODCA144BBCEF	FODC A Size with dual feed port and 4 branch ports. Four 36-splice trays. Branch grommet kit with four 1-hole 8-14mm, two 9-hole 3-4mm, two 4-hole 5-7mm, and two 2-hole 8x4.5mm flat drop
FODCB288BCDEF	FODC B Size with dual feed port and 6 branch ports. Six 48-splice trays. Branch port grommet kit with six 1-hole 8-14mm, two 9-hole 3-4mm, two 4-hole 5-7mm, two 4-hole 5mm, two 2-hole 8x4.5mm flat drop
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-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: 1-hole 6-8mm, bag of 10



97-FODCPLKTA



97-FODCAMKT

Please contact your Charles representative for addition configurations

## Grommet Options

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

Grommet kits include 10 grommets and end plates to a bag

## Dependable Solutions, Superior Support

- Field-proven and unequaled 24-hour technical support
- Individualized application consultation
- Superior quality (ISO 9001/TL 9000 registered)

Visit our website at <http://www.charlesindustries.com>

Charles Industries, LLC  
An Amphenol Company

Voice: (847) 806-6300  
Fax: (847) 806-6231  
E-mail: [mktsserv@charlesindustries.com](mailto:mktsserv@charlesindustries.com)



D-OSP195-D21



INNOVATIVE ENCLOSED SOLUTIONS™



is a registered trademark of Charles Industries, LLC