# 845110-000 | FIST-GCO2-BC6-GV

FIST® GCO2 Fiber Optic Splice Closure, Heat Shrink or Gold Gel Cable sealing, size BC, no pre-installed fiber trays, 6 round ports + 1 oval port with test valve

- Single-ended, O-ring sealed dome closure for splicing feeder and distribution cables
- Compatible with most common cable types: e.g. loose tube, central core, ribbon fiber
- Universal mounting system (UMS) profiles provide foundation for mounting combinations of FIST splice trays
- Closure can be used in aerial, pedestal and underground (up to 5 meters) environments
- Compatible with CommScope's CWDM modules and optical splitter trays

## Product Classification

| | |
|---|---|
| **Regional Availability** | EMEA |
| **Product Type** | Single-ended, round fiber closure |
| **Product Brand** | FIST® |
| **Product Series** | FIST-GCO2 |

## General Specifications

| | |
|---|---|
| **Cable Entry Drop Port Style** | Round |
| **Cable Entry Main Port Style** | Oval |
| **Cable Ports Quantity, total** | 1 oval port (2 cables) + 6 round ports |
| **Cable Sealing Type** | Gel kit (optional)   \|   Heat shrink |
| **Closure Sealing Type** | Dome-to-base clamp with O-ring |
| **Closure Style** | Single-ended |
| **Color** | Black |
| **Mounting** | Pole   \|   Strand   \|   Wall |
| **Network Area Type** | Distribution |
| **Splice Tray Included, quantity** | 0 |
| **Splicing Capacity, Mass Fusion, maximum** | 1008 |
| **Splicing Capacity, Single Fusion, maximum** | 672 |

## Dimensions

| | |
|---|---|
| **Length** | 488 mm   \|   19.213 in |
| **Cable Entry Drop Port Diameter** | 30 mm   \|   1.181 in |

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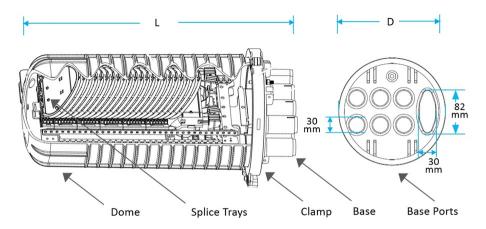**Diameter**                           247 mm  |  9.724 in

**Diameter, with clamp**               285 mm  |  11.22 in

**Main Cable Diameter, maximum**       25 mm  |  0.984 in

## Dimension Drawing



Dome        Splice Trays        Clamp        Base        Base Ports

|                              | FIST-GCO2-BC        | FIST-GCO2-BD        | FIST-GCO2-BE        | FIST-GCO2-BF        |
|------------------------------|---------------------|---------------------|---------------------|---------------------|
| **Length L**                 | 488 mm/19.213 in    | 566 mm/22.283 in    | 680 mm/26.772 in    | 795 mm/31.30 in     |
| **Width D at base**          | 247 mm/9.724 in     | 247 mm/9.724 in     | 247 mm/9.724 in     | 247 mm/9.724 in     |
| **Width D at base with clamp** | 285 mm/11.22 in   | 285 mm/11.22 in     | 285 mm/11.22 in     | 285 mm/11.22 in     |

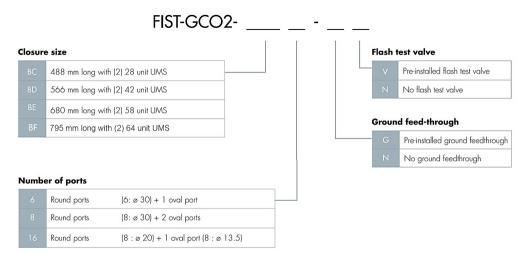## Port Configuration

|                | Cables per port | Cable Diameter, min | Cable Diameter, max |
|----------------|-----------------|---------------------|---------------------|
| 1 Oval Port    | 2               | 12 mm / 0.472 in    | 25 mm / 0.984 in    |
| 6 Round Ports  | 1               | 5 mm / 0.197 in     | 30 mm / 1.181 in    |

## Splicing Configuration

|                                                            | FIST-GCO2-BC | FIST-GCO2-BD | FIST-GCO2-BE | FIST-GCO2-BF |
|------------------------------------------------------------|--------------|--------------|--------------|--------------|
| **UMS Units**                                              | 2x28         | 2x42         | 2x58         | 2x64         |
| **# SC/SLE 4mm trays**                                     | 56           | 80           | 112          | 128          |
| **# SE 8mm trays**                                         | 28           | 40           | 56           | 64           |
| **# R12 12mm Flat ribbon trays**                           | 18           | 26           | 36           | 42           |
| **Max single splice capacity SC trays (4F/tray)**          | 224          | 320          | 448          | 512          |
| **Max single splice capacity SE trays (12F/SE)**           | 336          | 480          | 672          | 768          |
| **Max single splice capacity High dense tray (12F/SLE)**   | 672          | 960          | 1344         | 1536         |
| **Max mass splice capacity R12 trays (Flat ribbon)**       | 432          | 624          | 864          | 1008         |
| **Max mass splice capacity SE trays (Rollable ribbon G657A2 fiber)** | 1008 | 1440       | 1728         | 1728         |

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## Ordering Tree

FIST-GCO2- ____ __ - __ __

**Closure size**

| BC | 488 mm long with (2) 28 unit UMS |
|----|-----------------------------------|
| BD | 566 mm long with (2) 42 unit UMS |
| BE | 680 mm long with (2) 58 unit UMS |
| BF | 795 mm long with (2) 64 unit UMS |

**Flash test valve**

| V | Pre-installed flash test valve |
|---|--------------------------------|
| N | No flash test valve |

**Ground feed-through**

| G | Pre-installed ground feedthrough |
|---|----------------------------------|
| N | No ground feedthrough |

**Number of ports**

| 6  | Round ports | (6: ø 30) + 1 oval port |
|----|-------------|--------------------------|
| 8  | Round ports | (8: ø 30) + 2 oval ports |
| 16 | Round ports | (8 : ø 20) + 1 oval port (8 : ø 13.5) |

## Material Specifications

| **Material Type** | Impact-resistant polymer |
|-------------------|--------------------------|

## Environmental Specifications

| **Environmental Space** | Below ground   |   Buried |
|-------------------------|---------------------------|
| **Qualification Standards** | IEC 61300, 5 m waterhead |
| **Water Resistance** | Flash test valve at 5 psi (40 kPa) |

## Packaging and Weights

| **Packaging quantity** | 1 |
|------------------------|---|
| **Packaging Type** | Box   |   Carton |
| **Weight, net** | 3.9 kg   |   8.598 lb |

## Regulatory Compliance/Certifications

| Agency | Classification |
|--------|----------------|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |

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