# 760251441-US   |   FOSC450-D6-3-36-2-D6V-US



## FOSC® 450 D6 Fiber Optic Splice Closure, Gel Cable sealing, two pre-installed 36-splice trays, with test valve, Build America Buy America (BABA)

- Single-ended, O-ring sealed dome closure for splicing feeder and distribution cables
- Gel cable sealing technology allows easy adding or removing of a wide size range of cables
- Compatible with most common cable types: e.g. loose tube, central core, ribbon fiber
- FOSC splice trays hinged for access to any splice without disturbing other 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
- *CommScope intends to release this product at a future date. At such time, this product will comply with the requirements of the Build America, Buy America Act and/or applicable waivers. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

## Product Classification

| | |
|---|---|
| **Regional Availability** | Latin America   |   North America |
| **Product Type** | Single-ended, round fiber closure |
| **Product Brand** | FOSC® |
| **Product Series** | FOSC 450 |
| **Government Funding** | Build America Buy America (BABA) coming soon* |

## General Specifications

| | |
|---|---|
| **Cable Entry Drop Port Style** | Round |
| **Cable Entry Main Port Style** | Round |
| **Cable Ports Quantity, total** | 6 round ports |
| **Cable Sealing Type** | Compressed gel |
| **Closure Sealing Type** | Dome-to-base clamp with O-ring |
| **Closure Style** | Single-ended |
| **Color** | Black |
| **Fiber Storage Basket Type** | D6 standard size |
| **Flash Test Valve** | Pre-installed |
| **Ground Feed-through** | Included |
| **Mounting** | Pole   |   Strand   |   Wall |
| **Network Area Type** | Feeder |

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| | |
|---|---|
| **Splice Tray Included, quantity** | 2 |
| **Splice Tray Type Included** | 36-way, heat shrink |
| **Splicing Capacity, Mass Fusion, maximum** | 1152 |
| **Splicing Capacity, Single Fusion, maximum** | 576 |
| **Splicing Capacity, Single Splice, 12 fibers, maximum** | 576 |
| **Splicing Capacity, Single Splice, 6 fibers, maximum** | 288 |
| **Splicing Type, Supported** | Mass fusion | Single fusion |

## Dimensions

| | |
|---|---|
| **Length** | 753 mm | 29.646 in |
| **Diameter** | 254 mm | 10 in |
| **Diameter, with clamp** | 292 mm | 11.496 in |
| **Main Cable Diameter, maximum** | 25 mm | 0.984 in |

## Dimension Drawing



## Ordering Tree

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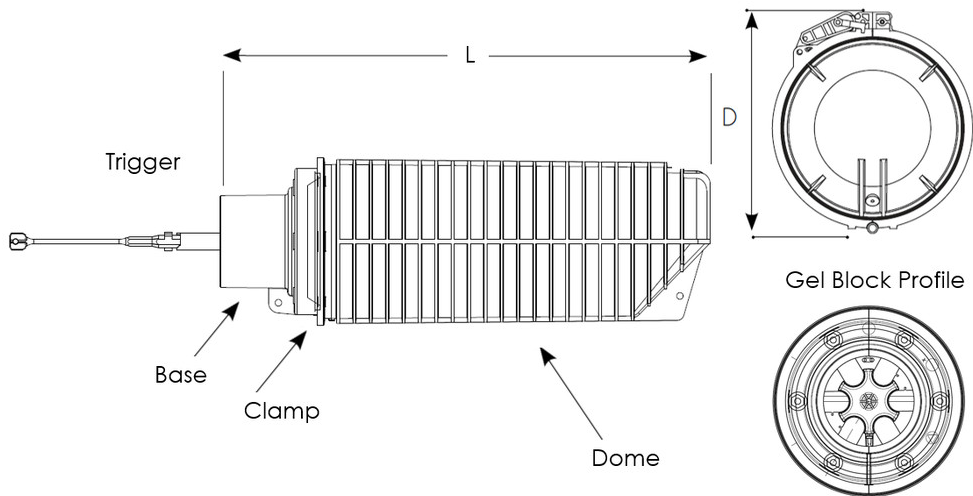
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**Closure Size (inches)**

| A4 | 4 cable entry ports; 8 dia. x 19 long |
| BS | 6 cable entry ports; 9 dia. x 19.5 long |
| B6 | 6 cable entry ports; 10 dia. x 24 long |
| C6 | 6 cable entry ports; 11.5 dia. x 23 long |
| D6 | 6 cable entry ports; 11.5 dia. x 30 long |

**Termination Hardware Quantity for the Kit**

| 2 | 2 cable attachments included |
| 4 | 4 cable attachments included |
| 6 | 6 cable attachments included (N/A for A size) |

**Capacity and Type of Splice Tray**

| NT | No tray installed in factory |
| 12 | A, B, or C tray with two SM6 splice modules |
| 24* | A, B, or C tray with two SM12 splice modules |
| 36 | D tray with six SM6 splice modules |
| 72* | D tray with six SM12 splice modules |
| R1 | A, B size ribbon tray (accommodates 12 ribbons/144 fibers) |
| R2 | D size ribbon tray (24 ribbons/288 fibers) |
| R3 | C size ribbon tray (18 ribbons/216 fibers) |
| SF | Stackable single fusion trays (12 splices) |

*Note: SMOUV (1120-01) splice protection sleeves are highly recommended for use with SM12 splice modules.

**Quantity of Splice Trays Factory Installed**

| 0 or 1 is standard | Choose either "0" trays (no trays installed) or "1" tray installed. Additional trays sold separately. |

**Valve for Flash Testing**

| V | Valve (standard) |
| N | No Valve |

Note: We recommend flash test valves for FOSC closures. However, non-valved closures are available upon request.

**Number of Ground Feed-through Lugs**

| 0 | No grounding |
| 1 | 1 ground feed-through lug (A4 only, N/A for BS) |
| 3 | 3 ground feed-through lugs (B6, C6, and D6 closures only, N/A for BS) |
| 6 | 6 ground feed-through lugs (C6 and D6 closure only, N/A for BS) |

Note: FEG and MEG kits provide optional ground isolation for FOSC 450 closures.

**Slack Basket Type**

| N | No Basket |
| A | A4 Standard Size |
| B | B6, BS Standard Size |
| C | C6 Standard Size |
| D | D6 Standard Size |
| E | Special Bulkhead Basket arrangement for B, BS closures only |
| T | Tall Size |
| S | Stackable Trays in D Closure |

Note: D-size closures with "N" option include backbone used to route ribbons to ribbon trays. A and B-size closures include storage "socks".

## 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

| **Included** | Cable termination attachments (3) |
| **Packaging quantity** | 1 |
| **Packaging Type** | Box   |   Carton |
| **Weight, net** | 9.07 kg   |   19.996 lb |

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## 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 |
| UK-ROHS | Compliant |

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