



## SCM Fibre Optic Splice Dome Closure

### Application

The Single Circuit Management (SCM) Fibre Optic Splice Dome Closure range has been designed for up to 864 fibres in single circuit (SC) or 1728 fibres in single element (SE) mechanical splices. Up to 72 splice cassettes type SK123 (SE) or 144 splice cassettes type SK223 (SC). SC uses a "cassette in a cassette" system.

The SCM FO Splice Dome Closure is suitable for cable-to-cable splicing with fibre branching for use in underground, wall, pole and tower-mounting applications. The SCM Fibre Optic Splice Dome Closure is a tubeless version suitable for SE or SC fibre management. The splice cassettes are supplied as required.

In order to meet a variety of application requirements, the unique design of the product allows the SCM Fibre Optic Splice Dome Closure to be fully customizable, also easily adjusting the cable entry spigot configuration, diameter and length of the closure.

The base layout/configuration comes supplied as customer required. This closure is ideally suited for Loop through (Uncut Cables) via the Oval spigot and protected by a Storage Basket. The Flexible entries is ideal for Straight through splicing and additional main cables and Fibre tap offs to access joint/s. The base and dome of the closure are clamped together with a mechanical clamping ring that requires no tools and sealed with an O-ring.

The Dome Closure's come complete with installation instructions, cable cleaning and preparation kits.

### Features

- Robust
- Durable
- Compact
- UV Stabilised
- Low cost installation
- Re-entry is simple and fast
- Locking facilities on closure clamp
- No special tools or sealing compounds required
- Suitable for underground, wall, pole and tower-mounting
- Facilities to secure kevlar and/or central strength member



## SCM FO Splice Dome Closure

### Technical Data

|                             |                                      |
|-----------------------------|--------------------------------------|
| Maximum number of fibres    | 1152 heatshrink/1728 mechanical      |
| Maximum number of cassettes | 36x2 (2 sides)                       |
| Protection Class (IP)       | 68                                   |
| UV Stabilizer               | Yes                                  |
| Lockable                    | Yes                                  |
| Flashing Valve              | Optional                             |
| Earth Pin                   | Optional                             |
| Mounting Bracket            | Optional                             |
| Material                    | Plastic: HD-PE                       |
| Colour Code RAL             | RAL 9005                             |
| Colour                      | Black                                |
| Closure Sealing             | Mechanical Clamp (no tools) & O-ring |
| Port Sealing                | Heat Shrink Tubes                    |
| Preparation Kit             | Yes                                  |
| Installation Instructions   | Yes                                  |

### Specifications

The Tank Fibre Optic Dome Closure is manufactured out of High Density Polyethylene, giving it full resistance to alkaline earths, salt water, fungal and putrefaction bacteria. The Splice Closure can be used in temperatures of -20 to 80° C, and water depths up to 6 meters.

### SCM FO Splice Dome Closure Versions

| Tank Code  | Tank Description                                                                                                                                                                                                              |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TJ302-0100 | <b>FO Dome Closure SCM 144 RFO 'O'B11111111B-H400-B (SC)</b><br>400mm dome, oval entry port Ø66 X 33mm, 8 rigid entry port Ø20mm, with heatshrink kit, with mounting bracket, up to 432 fibres.                               |
| TJ302-0115 | <b>FO Dome Closure SCM 288 RFO 'O'B-21B-H550-(24x12Flexis)-B (SC)</b><br>550mm dome, oval entry port Ø66 X 33mm, 1 X32mm and 1 X 20mm entries, 24 flexis Ø12mm, with mounting bracket, with heatshrink kit, up to 864 fibres. |
| TJ302-0120 | <b>FO Dome Closure SCM 144 RFO 'OB11B-H400-(24x12Flexis)-B (SE)</b><br>400mm dome, oval entry port Ø66 X 33mm, 2 rigid entry port Ø20mm, 24 flexis Ø12mm, with heatshrink kit, with mounting bracket, up to 864 fibres.       |

Additional flexible entries, spigots, heatshrink kits and splice cassettes are available on request.

| Type | Splices | Cassettes | Splices (1 Side) | Splices (2 Side) |
|------|---------|-----------|------------------|------------------|
| SE   | 16      | x 18      | = 288            | 576              |
| SC   | 4       | x 36      | = 144            | 288              |
| Type | Splices | Cassettes | Splices (1 Side) | Splices (2 Side) |
| SE   | 24      | x 18      | = 432            | 864              |
| SC   | 6       | x 36      | = 216            | 432              |
| Type | Splices | Cassettes | Splices (1 Side) | Splices (2 Side) |
| SE   | 16      | x 36      | = 576            | 1152             |
| SC   | 4       | x 72      | = 288            | 576              |
| Type | Splices | Cassettes | Splices (1 Side) | Splices (2 Side) |
| SE   | 24      | x 36      | = 864            | 1728             |
| SC   | 6       | x 72      | = 432            | 864              |

|                   | Single Element (SE)               | Single Circuit (SC)                 |
|-------------------|-----------------------------------|-------------------------------------|
| Height            | 6mm                               | 6mm                                 |
| Splice Protectors | 16 heatshrink or<br>24 mechanical | 2x4 heatshrink or<br>2x6 mechanical |