



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	FO Dome Closure SCM 144 RFO 'O'B11111111B-H400-B (SC) 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	FO Dome Closure SCM 288 RFO 'O'B-21B-H550-(24x12Flexis)-B (SC) 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	FO Dome Closure SCM 144 RFO 'OB11B-H400-(24x12Flexis)-B (SE) 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 24 mechanical	2x4 heatshrink or 2x6 mechanical