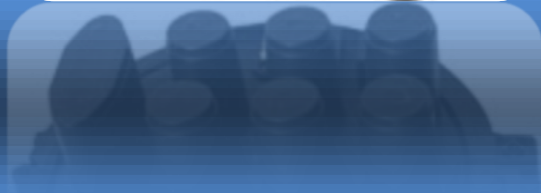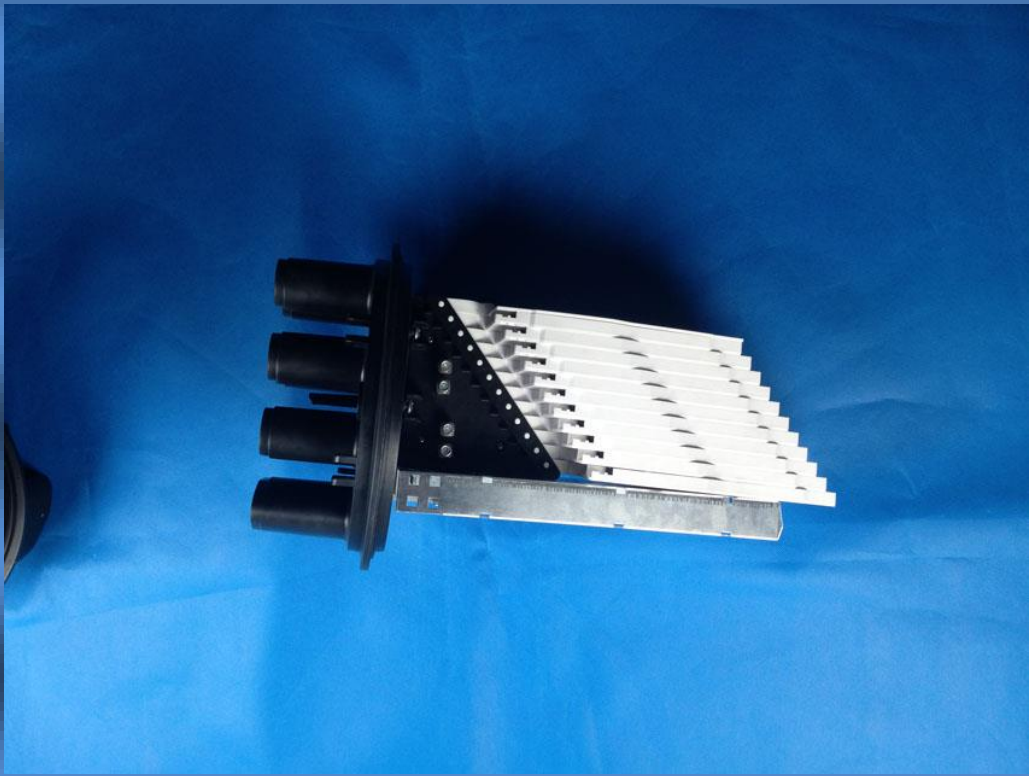# Dome Fiber Optic Closure SC-220

General Information

SC-220 fiber optic closure provides a perfect solution for protecting fiber splices from permeation of water. It is used for underground, wall mount, aerial and direct buried applications. Can cover most of the applications in the fiber distribution networks like FTTH (Fiber To The Home), FTTC (Fiber To The Curve).

The SC-220 has Mechanical and Chemical resistance for all the application areas in the fiber networks.

Is designed and developed based on our proven sealing technology. It is made of plastic molded parts. The sealing of the closure is achieved by hook. It is used for permanent connecting and branching of fibers and fiber optic cables. The design gives us quick and easy installation.

The closure kit includes all the necessary accessories – parts for complete closure installation.

The closure represents the following range of applications:

- Telecommunications Networks
- CATV Networks
- Local Area Networks
- FTTH Applications

Features

- Resistance to vibration, UV and temperature fluctuation
- Rugged construction for long term reliability
- Provide water tight protection
- Easily re-enter without any tools, saves time and cost
- Straight or branch joint
- IP68-9
- With 1 oval port and 6 round ports
- Available with 5 types
- Suitable for pressurized and non pressurized networks
- No specialize tools needed
- For cut, uncut and taut sheath applications
- Sheath retention & central strength member termination system included
- Advanced internal structure design, fiber suffers no attenuation
- Is spacious enough for winding and storing fibers
- Easy and fast to increase and reduce the number of the splice trays
- Easy fiber access during installation, maintenance and organizer modules
- The metal hoop has resistance to corrosive influences
- Possibility for termination different types of cables
- The construction of the splice tray (organizer) and the splice holder allows the splicing of fibers from different splice bundles
- Organize and keeps the spares of the not cutting fibers in the branch joints
- ROHS compliance

Technical General Characteristics

- Dimensions of the first type 488 mm x 285 mm (Height x Diameter)
- Dimensions of the second type 566 mm x 285 mm (Height x Diameter)
- Material Molded Plastic (Manufacture from Polymeric materials PP)
- Twelve (12) splice trays maximum capacity
- The splice trays are hinged for access to any splice without disturbing the other trays and are designed slide in lock and the opening angle is above 90'
- Available in 24 cores splice tray
- The curved diameter meets with the international standard
- Minimum bending radius >38 mm
- Cable Diameters maximum **Ø 30 mm**

√ Long term reliability in temperatures from -40°C + 65°C

√ Reliability from over 25 years

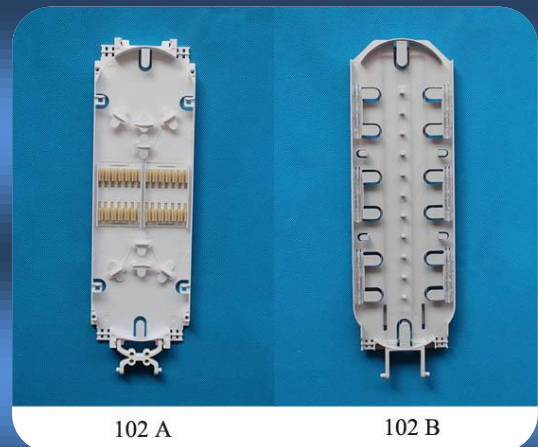√ Installation temperatures -5°C up to +45°C

Types of Splice Tray

204A: 24 cores Tray

204B: 24 cores Tray

204C: 24 cores Tray

102A: 24 cores Tray

102B: 24 cores Tray

204A   204B   204C

102 A   102 B

Product Part Number	Description
SC-220A-BC6	Fiber Optic Closure with the 204A Tray (Capacity 288 splices) dimensions 488 mm x 285 mm with 1 oval port for 1 cable with max 30mm. and 6 round ports , each port for 1 cable with max 30 mm
SC-220B-BC6	Fiber Optic Closure with the 204B Tray (Capacity 288 splices) dimensions 488 mm x 285 mm with 1 oval port for 1 cable with max 30mm. and 6 round ports , each port for 1 cable with max 30 mm
SC-220C-BC6	Fiber Optic Closure with the 204C Tray (Capacity 288 splices) dimensions 488 mm x 285 mm with 1 oval port for 1 cable with max 30mm. and 6 round ports , each port for 1 cable with max 30 mm
SC-220D-BD6	Fiber Optic Closure with the 102A Tray (Capacity 288 splices) dimensions 566 mm x 285 mm with 1 oval port for 1 cable with max 30mm and 6 round ports , each port for 1 cable with max 30 mm
SC-220E-BD6	Fiber Optic Closure with the 102B Tray (Capacity 288 splices) dimensions 566 mm x 285 mm with 1 oval port for 1 cable with max 30mm and 6 round ports , each port for 1 cable with max 30 mm

Standards Reference

The SC-220 fiber Optic Closure complies with the standard testing method from **IEC**, **EIA/TIA** and parameters   concerning the following items:

- Water Immersion
- Ultraviolet Radiation (UV Resistance)
- Salt mist
- Temperature Cycling
- Fungus Resistance
- Chemical Resistance
- Re-entry Test

Build of Material

- Dome Cover
- Base
- Splice Trays
- Plastic hoop
- Velcro Strap
- O ring
- Earthing wire
- Aluminum foil paper
- Buffer tubes
- Nylon Cable Ties
- Cleaning tissues
- Labeling paper
- Desiccant
- Heat shrink sleeves
- Installation Instruction

According to the International Standards:

- IEC 60529 Degrees of Protection provided by the Enclosures
- IEC 61300-2-1 Vibration Test Method
- IEC 61300-2-4 Fiber Cable Retention
- IEC 61300-2-5 Torsion/Twist Test Method
- IEC 61300-2-6 Tensile Strength
- IEC 61300-2-7 Bending Test Method
- IEC 61300-2-9 Shock Test Method
- IEC 61300-2-10 Crush resistance
- IEC 61300-2-11 Axial Compression
- IEC 61300-2-12 Impact Test
- IEC 61300-2-17 Cold Test Method
- IEC 61300-2-18 High Temperature Endurance
- IEC 61300-2-19 Dump heat
- IEC 61300-2-21 Humidity cycling Test
- IEC 61300-2-22 Change of Temperature
- IEC 61300-2-23 Sealing for non pressurized Closures
- IEC 61300-2-26 Salt mist Test
- IEC 61300-2-27 Dust-Laminar Flow
- IEC 61300-2-33 Assembly and Disassembly of Closures
- IEC 61300-2-38 Sealing for non pressurized Closures
- IEC 61300-2-45 Durability Test by Water Immersion
- IEC 61300-2-48 Temperature Humidity Cycling
- IEC 68-2-27
- IEC 68-2-6

Note: The round and the Oval Heatshrink sleeves grounding device, branching clip, wall mounting kits, pole mounting kits, hanging hook are available as per requirement