

Dome Fiber Optic Closure SC-221





General Information

SC-221 fiber optic closure protects the fiber optic splices from harsh external environment conditions. It is designed for many network segments and ensures reliable sealing performance by preventing air and water leaking.

The function of the product is in the optical transmission link, to provide various types of fiber optic cable through, branching, and related connecting protection.

This model is suitable for different methods of branch connection, including branching of uncut cables. It could be used for aerial, pole-mounting, wall-mounting and underground application. This model is excellent in sealing performance, easy for installation, wide application and is prior choice of fiber connection equipment.

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

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
- One size for all, 24 to 120 cores
- Available with THREE (3) types of Splice Trays
- 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
- The base is provided with an oval inlet/outlet port, which can accommodate 2 pieces of fiber cable with max diameter 24 mm simultaneously. While straight- through fiber cable is for branching application, fibers not cut off are for straight through after being fixed and winded, fibers cut off are for branching after fusion splicing with fibers of other branching fiber cable.
- 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

- Size 450 mm x 230 (H x D)
- Protection IP68-9
- Material Molded Plastic (Manufacture from Polymeric materials-PP)
- This model has four (4) round ports and one (1) oval port
- Each round port accepts one (1) cable with maximum diameter 17,5 mm
- The oval port accepts loop cable with maximum diameter 24 mm
- Five(5) splice trays (each splice tray capacity is up to 24 fibers)
- 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°
- Weight 3,8 Kg -4,2 kg
- Cable diameters minimum \varnothing 8 mm up to \varnothing 17,5 mm

Standards Reference

SC-221 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

- Cover
- Fiber splice tray (Quantity depending)
- Base
- Plastic Hoop
- Sealing ring
- Fixing set
- Heat shrink sleeves (Number of cores +10%)
- Nylon ties (Number of Trays x 3)
- Pole hoop (1 set)
- Labeling paper (1 piece)
- Insulating tape (1 piece)
- EVA transparent hose (6 pieces)
- 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
- IEC 68-2-1
- IEC 68-2-14
- IEC 68-2-27
- IEC 68-2-6
- IEC 68-2-14
- EN 50411-3-6
- GR771-CORE

Optional Accessories

Upon request

- Heat shrink tubes 4 pieces $\varnothing 30 \times 150(\text{mm})$
- Dual heat shrink tube 1 piece $\varnothing 75 \times 150(\text{mm})$
- Pressure testing valve (1 set)
- Silver tape (1 set)
- Sand paper (1 set)
- Branching clip (1 set)
- Grounding device (1 set)

✓ Long term reliability in temperatures from $-40^{\circ}\text{C} + 65^{\circ}\text{C}$

✓ Reliability from over 25 years

✓ Installation temperatures -5°C up to $+45^{\circ}\text{C}$

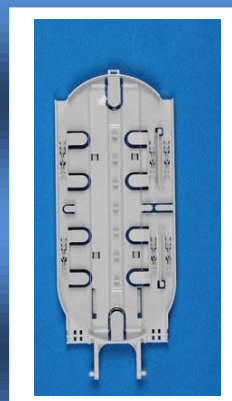
Tray 204A



Tray 204B



Tray 204C



Product Part Number	Splice Tray Model	Description
SC-221A-24	Tray 204 A	Dome Mechanical Fiber Optic Closure for 24 fibers (Fully equipped)
SC-221A -48		Dome Mechanical Fiber Optic Closure for 48 fibers (Fully equipped)
SC-221A -72		Dome Mechanical Fiber Optic Closure for 72 fibers (Fully equipped)
SC-221A -96		Dome Mechanical Fiber Optic Closure for 96 fibers (Fully equipped)
SC-221A -120		Dome Mechanical Fiber Optic Closure for 120 fibers (Fully equipped)
SC-221B-24	Tray 204B	Dome Mechanical Fiber Optic Closure for 24 fibers (Fully equipped)
SC-221B -48		Dome Mechanical Fiber Optic Closure for 48 fibers (Fully equipped)
SC-221B -72		Dome Mechanical Fiber Optic Closure for 72 fibers (Fully equipped)
SC-221B -96		Dome Mechanical Fiber Optic Closure for 96 fibers (Fully equipped)
SC-221B -120		Dome Mechanical Fiber Optic Closure for 120 fibers (Fully equipped)
SC-221C-24	Tray 204C	Dome Mechanical Fiber Optic Closure for 24 fibers (Fully equipped)
SC-221C -48		Dome Mechanical Fiber Optic Closure for 48 fibers (Fully equipped)
SC-221C -72		Dome Mechanical Fiber Optic Closure for 72 fibers (Fully equipped)
SC-221C-96		Dome Mechanical Fiber Optic Closure for 96 fibers (Fully equipped)
SC-221C -120		Dome Mechanical Fiber Optic Closure for 120 fibers (Fully equipped)

Note: Please refer the type of the Splice Tray by placing A or B at the end of the product part number