

Unicor s.a.

In Line Fiber Optic Closure HTSC-106



HUATEL



Pilar - Córdoba - Argentina

www.unicorsa.com.ar

General Information

HUATEL fiber optic closure provides a perfect solution for protecting fiber splices from permeation of water. It is used for underground, aerial, building entrance, pedestal and direct buried applications. The closure can accommodate up to 96 cores, which can cover most of the applications in the fiber distribution networks like FTTH (Fiber To The Home), FTTC (Fiber To The Curve).

The HTSC-106 has Mechanical and Chemical resistance for all the application areas in the fiber networks.

The Fiber Optic Closure HTSC-106 is designed and developed based on our proven sealing technology. It is made of plastic molded parts and special silicon sealing materials. The sealing of the closure is achieved by non oxidized special screws.

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
- Building Entrance

Features

- Resistance to vibration, UV and temperature fluctuation
- Rugged construction for long term reliability
- Provide water tight protection
- Easily re-enter with a minimum of tools, saves time and cost
- Reusable
- Straight or branch joint
- Compact and lightweight
- Suitable for limited space applications (handholes)
- One size for all, 12 to 96 cores
- Suitable for pressurized and non pressurized networks
- No specialize tools needed
- For cut, uncut and taut sheath applications
- For all fiber optic cable
- Sheath retention & central strength member termination system included
- ROHS compliance

Technical General Characteristics

- Slim, elegant, compact in-line design, size 432 mm x 186 mm x 100 mm (L x W x H)
- Protection IP68-9
- Material Molded Plastic (Manufacture from Polymeric materials)
- Four (4) cable ports (Two ports in each side, each port for one cable with maximum diameter 22 mm)
- Quantity of cables install (From 2 up to 4)
- Four (4) 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°
- Loop Length for fibers into a loose-tube buffer >2 x 0,8 mm
- Loop Length for bare fibers >2 x 0,8 mm
- Weight 3,8 Kg – 4,2 kg
- Cable Diameters \varnothing 10 mm and maximum \varnothing 22 mm

Standards Reference

The HUATEL 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

- Cover
- Bottom
- Seal gasket
- Tray holder
- Splice Tray (with heat shrink sleeves)
- Cable fixing device
- Grounding wire
- Nylon Cable ties
- Labeling paper
- Buffer tube
- Insulation tape
- Installation Instruction

Optional Accessories

Upon request

- Aerial Mounting Kit
- Duct Mounting Kit
- Pressure Valve
- Grounding Device

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
- EN 50411-3-6
- GR771-CORE



- ✓ Long term reliability in temperatures from -40°C + 65°C
- ✓ Reliability from over 25 years
- ✓ Installation temperatures -5°C up to +45°C

Product Part Number	Description
HTSC-106-12	In Line Fiber Optic Closure for 12 fibers (Fully equipped)
HTSC-106-24	In Line Fiber Optic Closure for 24 fibers (Fully equipped)
HTSC-106-36	In Line Fiber Optic Closure for 36 fibers (Fully equipped)
HTSC-106-48	In Line Fiber Optic Closure for 48 fibers (Fully equipped)
HTSC-106-60	In Line Fiber Optic Closure for 60 fibers (Fully equipped)
HTSC-106-72	In Line Fiber Optic Closure for 72 fibers (Fully equipped)
HTSC-106-96	In Line Fiber Optic Closure for 96 fibers (Fully equipped)



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