

144 Cores IP68 Fiber Optical Dome Splice Closure, 2 Inlet 8 Outlet, Mechanical Sealed

- For FTTx Solution



Product Overview

This is a fiber splice closure. Its primary function is to protect the delicate splices where two fiber optic cables are joined together. It provides a sealed, protected environment for organizing, storing, and managing a high number of fiber splices in the outside plant (OSP) environment, such as underground in manholes, direct-buried, or mounted aerially on poles. In summary, this product is a fundamental building block for managing and protecting the physical layer of large-scale fiber optic networks, ensuring signal integrity and allowing for flexible network expansion and maintenance.



Keyed Characteristics

✓ **Splicing Hub:** The primary job is fusion splicing. Fibers from an incoming cable are spliced to fibers of an outgoing cable inside the closure.

✓ **Storage:** The closure contains splice trays where each splice is protected in a splice sleeve. These trays stack together and allow for neat storage of the excess fiber slack (loops) that must be left for future re-splicing if needed.

✓ **Pass-Through Function:** It can also be used for "mid-span" access, where only some fibers in a cable are spliced and dropped out to a local area, while the rest of the fibers pass through uninterrupted to the next node.

✓ **Re-enterable:** The mechanical sealing allows technicians to relatively easily open the closure, add new cables, perform maintenance, or upgrade the network, and then reseal it to its original IP68 rating.

Technical Parameter

Material	PC+ABS	Cable Port	2 IN 8 OUT
Max. Fusion Capacity	144 Cores	Dimension	380*280*127mm
Cable Diameter	IN: 8-20MM; OUT: 6-12MM	Splice Tray Qty	Max. 12pcs
Sealing Of Inlet /Outlet	Heat Shrink / Mechanical Seal	Protection Grade	IP68
Weight (kg)	3.1KG	No. of fibers per tray	12 (Single Core)
Humidity	≤95% (at 40°C)	Air Pressure	70kPa ~106kPa



Application

- ✓ Suitable for bunchy fibers;
- ✓ Aerial, underground, wall-mounting, hand hole-mounting and duct-mounting;
- ✓ It's especially applicable to FTTH optical fiber distribution.