

## FIBER OPTIC ENCLOSURES

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#### DOME TYPE OPGW CLOSURES

TTAF OPGW & ADSS fiber optic termination box  
 The cable junction box is mainly used for protecting the fiber optic junction between two cables and reserve a section of fiber optic for maintenance in the box. The box has good leakproofness, anti-water and damp-proof feature and can not corroded in the power line. There's two types of the junction box, central and terminal one. The central type is used in the central part of the line to protect the two butted cables while the terminal type is used in the end of the line for branching in the cable line or protecting the connection of the fiber optic in the cable and the jumper.



### Features

- Leakproofness: inflate the box to 100kPa after the box is closed, and then observe it for 15 minutes while the box is immersed in the normal temperature water container. There's should be no bubble escaping.
- Insulation resistance: the insulation resistance between the hardware and the ground is equal to or larger than  $2 \times 10^4 M\Omega$ .
- Resistance to pressure: it should not be broken down and there's should not be flashover in 15kV(DC)/1 minute between the hardware and the ground.
- Radius of coiling curvature of the fiber optic:  $\geq 30mm$ (less than 40mm) and there's no additional attenuation in the fiber optic fusion splice protector.
- Strench: endure the axial tensile stress of equal to or larger than 1000N.
- Life span: 25 years.

### TECHNICAL PARAMETER

- Fiber radius of curvature  $\geq 43mm$ .
- Fiber length of the plate to stay  $\geq 1500mm$ .
- Additional attenuation of optical disks to stays  $\leq 0.01dB$ .
- The maximum capacity of fiber optic  $\leq 144$ -core optical fiber.
- Suitable temperature range  $-40^\circ C \sim +80^\circ C$ .
- Flattening performance 2000N/100mm.
- Weight 6.7kg.
- Overall dimensions 480mm (H)  $\times$  200mm ( $\phi$ ).

