

Fiber Joint Enclosure

Features



Main Technical Characteristics

Tightness	Internal pressure: (100 ± 5) kPa, Just below water surface at room temperature $(23 \pm 3)^{\circ}\text{C}$, Test time: 15 minutes; No bubbles indicating a leakage shall be observed during the test.
Re-entries	Repeat procedures of the 3rd package after the test. Internal pressure: (100 ± 5) kPa, Just below water surface at room temperature $(23 \pm 3)^{\circ}\text{C}$, Test time: 15 minutes; No bubbles indicating a leakage shall be observed during the test.
Cable axial tension	Bear more than 800N Cable axial tension, the tightness and visual appearance is ok;
Cable flexure	Tension load for the 150N, bending angle of $\pm 45^{\circ}$ after 10 bending cycles, the tightness and visual appearance is ok;
Cable torsion	Torque for maximum rotation 90° /maximum 50 Nm; after 10 torsion cycles, the tightness and visual appearance is ok;
Impact	The energy is 16Nm, after 3 cycles, the tightness is ok;
Static load	Withstand the pressure 2000N/100mm during 1 min, the tightness and visual appearance is ok;
Voltage resistance strength	After sealing the FOSC according to the stipulated operation procedures, immerse it in clean water of normal temperature in 1.5m depth for 24 hours, there should be no breakdown or arc over between the metallic components of the FOSC, between metallic components and the ground at DC 15KV for 1 minutes.
Isolating resistance	After sealing the FOSC according to stipulated operation procedure, immerse it in clean water in 1.5m depth for 24h, the isolating resistance between the metallic components of the FOSC, between the metallic components and the ground should be $\geq 2 \times 10^4 \text{M}\Omega$.



Specifications

Feature	
Sealing Protection	IP 68
Zero Additional Loss	No additional loss when optic fibers are routed in the splice trays during installation and maintenance
Unique strength member clamp assembly	Prevents cable sheath movement with temperature changes
No specialized tools needed	Easy installation
Resistance to UV and temperature fluctuation	Can be deployed in all environments: buried, underground and aerial
Bend controls in Splicing tray	Guides and protects the pigtail cable and ensures controlled cable bending
Rugged construction	long term reliability
Minimal Training, no specialize tools needed	Cost savings, easy installation
Splicing tray lid	Protects the splice fibers from coming out of the trays
Transport tubes for fibers	Prevents fiber breakage at the tray entry during installation & maintenance
Easily Re-Enterable Design (Only for Mechanical Type)	Economical and future ready

Physical Characteristics

Dimension	D230mm x H435 mm
Weight (without kit)	About 3.2 kg
OFC Entry Ports	4 Nos. Round Port, suitable for Ribbon O F Cable of Diameter 14-22mm; 1 No. Oval Port (100mm x 40mm) suitable for Ribbon O F Cable of Diameter 14-24mm
Splicing Tray Capacity	14 Nos. Splice Trays of 4 x 6F Ribbon each = 336 Fibres
Type of Ribbon	6F as per Bellcore document GR-20 Issue 4, 2013
48 fibre with D tray	4 tray of 12 F
96 fibre with D tray	8 tray of 12F
Round port entries for cable	4
Oval port entries for cable	1

Package

- Item is adequately packed and secured to withstand rough handling during transportation, to reach destination in good condition.

Kit Content	Dome with Base with tower , C Clamp, O Ring, Strength member assembly, Grounding bolt, Loose tube storage basket, Wire with connector, Emery strip, Adhesive aluminium foil , Splice trays with lids, Installation instruction
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Ordering Information

P/N	Description
GFUJJKT06	Genius Network Fiber Joint Enclosure 6 port
GFUJJKT12	Genius Network Fiber Joint Enclosure 12 port
GFUJJKT24	Genius Network Fiber Joint Enclosure 24 port
GFUJJKT48	Genius Network Fiber Joint Enclosure 48 port
GFUJJKT96	Genius Network Fiber Joint Enclosure 96 port