

Fiber Joint Enclosure



Genius Fiber Joint Enclosure is designed to protect and manage fiber optic splices in aerial, duct, and direct-buried installations. Its rugged, weatherproof housing ensures reliable sealing against moisture, dust, and mechanical impact. The enclosure supports multiple splice trays for organized fiber routing and easy maintenance. It offers high tensile strength and long-term durability in outdoor environments. Ideal for telecom, FTTH, and backbone network applications

Key Features

- IP 68 sealing protection
- Unique strength member clamp assembly
- Resistance to Chemical, UV and temperature fluctuation
- Guides and protects the pigtail cable and ensures controlled cable bending
- No additional loss when optic fibers are routed in the splice trays
- Easy Installation & No specialized tools needed
- Complete splicing accessories kit will be provisioned
- Rugged construction & long-term reliability

Product Specification

Closure Capacity	6F to 96F
Cable Entry Sealing	Heat Shrink Sealing
Cable entry Port	4 Round & 1 Oval
Cable Diameter	Min 10mm to Max 16mm
Closure Dimension (H x D)	542 mm X 220 mm
Closure Material	PPCP
Splice try Material	ABS
Type of Mounting	Pole Mount
Grounding Kit	Grounding Bolt
Operation Temperature	-40°C to +65°C
Storage Temperature	-40°C to +70°C
Fiber Bend Radius	≥30 mm
Closure weight - Packed	3.0 kg (Approx)
Ingress protection rating	IP68

Closure Accessories List			Values			
Fiber count	6	12	24	48	96	
JE clamp with SS bolts (M6X145mm)			2 Nos			
Oval port heat shrink tube			1 Nos			
Round ports heat shrink tube			4Nos			
Hose clamp 20mm			4Nos			
100mm Cable Tie			6Nos			
Emery Sheet			1 Nos			
Aluminium Foil			4Nos			
PVC Tape			1 Nos			
4mm Buffer tube (3m)			1Nos			
45mm Splice Protection Sleeve	6 Nos	12 Nos	25 Nos	50 Nos	100 Nos	
IPA (50ML)			1Nos			
Cleaning Tissue (10 pulls)			1 Pack			
Branch of clip			1Nos			
Numbering sticker	1 Set	1 Set	1 Set	2 Set	4 Set	

Fiber Tray & Splicing Count

Parameter	Values				
Fiber count	6	12	24	48	96
No of Splice per Tray	12	12	12	12	12
No of Tray (7mm Tray)	1	1	2	4	8

Mechanical Test Specifications

Air Tightness Test	Internal pressure: (100 ± 5) kPa Test Temperature - 23°C ± 3°C Test Time – 15 Min
Axial Tension test	Withstand 800 N
Impact Test	Impact Energy – 16 Nm No of Cycle – 3 Nos
Static Load Test	Pressure Withstand - 2000 N/100mm @ 1min
Torsion Test	Torque for maximum rotation - 90°/maximum 50 Nm No of Cycle – 05 Nos
Flexure test	Tension load – 150 N Bending Angle - ± 45 ° Bending Cycle – 10 Nos
Re Entry Test	Internal pressure: (100 ± 5) kPa Test Temperature - 23°C ± 3°C Test Time – 15 Min
Voltage Resistance test	As per Standard
Isolating Resistance test	As per Standard

Ordering Information

Part Number	Product Description
GFUJKT06	Genius Network Fiber Joint Enclosure 6 port
GFUJKT12	Genius Network Fiber Joint Enclosure 12 port
GFUJKT24	Genius Network Fiber Joint Enclosure 24 port
GFUJKT48	Genius Network Fiber Joint Enclosure 48 port
GFUJKT96	Genius Network Fiber Joint Enclosure 96 port