



## Optical Splice Closure: NFP/OJC/001

As per TEC GR No. TEC/GR/TX/OJC-002/03/APR-2010

- ▶ TSEC Certified
- ▶ International Quality
- ▶ MSME Registered
- ▶ ISO 9001 - 2008 Certified
- ▶ State Of Art Infrastructure



*nav fibro plastics*

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## Optical Splice Closure: NFP/OJC/001



Item	NFP/OJC/001
Dimensions	Length: 500mm
	Inner Diameter: 200mm
Weight	2.70 kgs
Inlet Port (Max.)	4 Cable entry port
Cable diameter (Max.)	18 mm
Number of splice tray (Max.)	4
Splice capacity per tray	12
Splice Capacity	48
Splicing method	Fusion
Splice protector	Splice Protection Sleeves

### Feature / Benefit

- Simple and Easy installation
- Universal type i.e., suitable for all types of cables
- Easy re-entry and closing with mechanical Plastic Clamp
- Perfectly water and air proof
- Cost effective solution for underground application
- Resistant to chemicals and corrosive atmosphere
- Does not cause any Environmental pollution





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**TSEC Approved**

Test Description	Test Condition	
Drop	Condition: Height 2m onto a 12 mm thick steel plate bolted on the concrete floor for 10 times	No mechanical damages
Gas Tightness	Pressure: 1.5Kg/sq. cm for 24 hours	No leak
Water Ingress	Immersion in water to a depth of 6.10 m for 7 days	No water intrusion
Residual Loss	Insertion loss before and after looping of optical fibers is measured. Wavelength: 1310nm and 1550nm	No greater than 0.05 dB
Cable Clamping	Insertion loss before and after clamping of the cable is measured. Wavelength: 1310nm and 1550nm	No greater than 0.05 dB
Torsion	Pressure: 0.5 Kg/sq cm, Twist inlet cable 90° turn to clockwise for 5 minutes, then repeated in opposite direction.	No leak No mechanical damages
Flexure	Pressure: 0.5 Kg/sq cm, Condition: Max 500N Deflect cables: 30° hold for 5minutes and the other direction	No leak No mechanical damages
Axial Tension	Pressure: 1.5 Kg/sq.cm Condition: 50kg longitudinally for 30 minutes	No leak No mechanical damages
Impact	Pressure: 0.5 Kg/sq cm Impact: Drop onto the closure from 500mm, Impact level: 5kg, Φ 50 mm	No leak No mechanical damages
Static Load	Pressure: 0.5 kg/sq. cm Load: 250 kg on the upper plate for 24 hours	No leak No mechanical damages
Thermal Aging	Condition: In air oven perpendicular to air flow to 90° C for 720 hours.	No mechanical damages
Environmental Cycle	Pressure: 0.5 kg/sq.cm, Temp.: -20~60°C, Humidity: 95%@60°C, 20 Cycles (1 cycle is 10 and ½ hours)	No leak
Salt Spray	Condition: Salt mist test as per QM-333	No corrosion No mechanical damages
Vibration	Measurement: assembled with fiber splicing Vibrate: 2 hrs in x-y-z axis each with Frequency	No greater than 0.1dB
Aggressive media	Pressure: 0.5 kg/sq. cm Condition: Solution pH2, pH12, Kerosene, Petroleum Jelly and Fuel oil for 5 days each	No leak No mechanical damages
UV	Condition: In the UV rays for 2000 hours	No mechanical damages
Current Surge	Condition: Current surge of 1000 Amps for 5 seconds	No mechanical damages





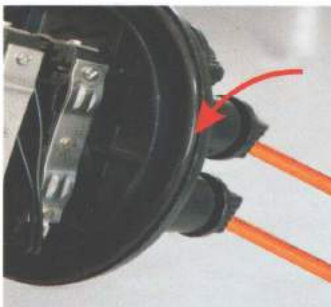
Take end cap & break knock of the required port out with the help of a screw driver and hammer.



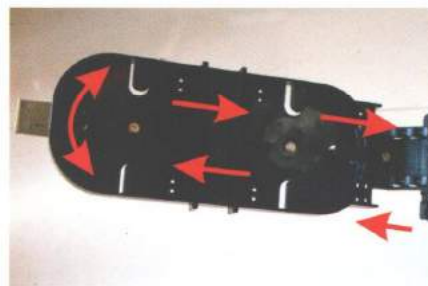
Insert cable through round and oval ports.



After splicing and tightening all the cables and loose tubes, tighten nuts with the help of spanner provided in the kit.



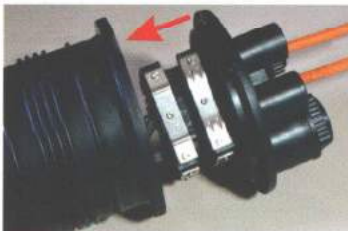
Insert the "O" ring in the groove provided in the underside of end cap.



Put the loose tubes in storage basket in a circular direction.



Tie loose tubes with the help of cable ties.



Insert entire assembly in closure in the dome matching markings provided on the end cap and dome respectively.



Secure enclosure and lock it with the help of locking ring and clamp it.



In case to remove cassette, press the right side of the cassette with a help of screw driver.

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