

INJECTED TAPE JUNCTION FOR THREE-CORE CABLES

DESCRIPTION

The resin-injected taped cable junction is designed to connect three-core cables while providing a durable, waterproof seal. Ideal for low and medium voltage networks, it ensures optimal electrical and mechanical insulation, while resisting moisture, chemicals, and environmental stresses.

This solution is recommended for connections exposed to demanding conditions.



SPECIFICATION

- Nominal Voltage: Up to 24 kV.
- Cable Section Range: 10 mm² to 300 mm².
- Electrical Properties: Dielectric Strength > 18 kV/mm, Volume Resistivity > 10¹² Ω·cm
- Operating Temperature: -25 °C to +90 °C.
- Ideal for applications requiring enhanced sealing and mechanical strength

MATERIAL

- Insulating Resin (polyurethane or bi-component epoxy)
- PVC Insulating Tapes: for insulation and protection.
- Injection Housing: made of rigid plastic.
- Connection Sleeves: made of copper or aluminum.
- These materials provide excellent electrical insulation, flexibility, and resistance to corrosion and UV exposure, ensuring long-lasting performance in demanding environments.

APPLICATION

- Cable Connection for Medium Voltage (up to 24 kV)
- Indoor or Outdoor Use
- Suitable for underground electrical networks, industrial installations, and urban infrastructure.
- Compatible with cables insulated with XLPE, EPR, or PVC.
- This solution provides reliable and durable connections for medium voltage networks, ensuring optimal performance in various environmental conditions.