

Medium Voltage Joint Kits

Heat shrinkable power cable joints

Heat shrinkable power cable joints consist of high voltage insulation tubing, stress control to smooth the electrical field over the connector and screen ends, a conductive heat shrink sleeve to ensure a flawless bond between insulation and screen, copper mesh to ensure continuity of the shield, and an outer sealing jacket consisting of a heavy wall heat shrinkable sleeve, internally coated with adhesive resulting in a moisture and corrosion proof barrier on the cable oversheath.

Features And Benefits

- Rebuild each layer of the cable at the connector and screen cutback
- Electrical stress control
- Insulation layer
- Semi-conductive layer
- Shielding and grounding
- Environmental sealing
- Mechanical protection

Standards

- HD 629.1 S2
- IEC 60502-4
- IEC 60055-1

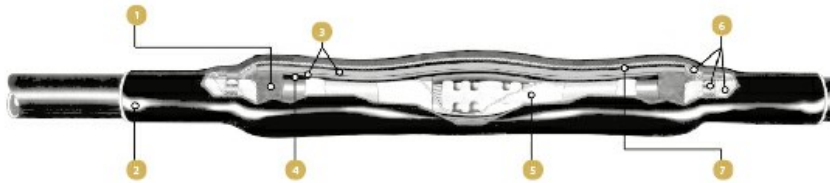
Typical Applications

- Single core or 3-core medium voltage heat shrinkable joints for XLPE, PE, PVC, PILC power cable rated up to 24kV

Ordering

Please contact your Customer Service Representative for information on sizes, lengths and material data sheet.





1. Sealant - Internal moisture seal inhibits migration of moisture
2. Heat shrinkable adhesive lined tube - Adhesive lining provides moisture seal between the cable and splice; Provides impact- and abrasion-resistance
3. Insulation layer - Delivers consistent insulation thickness without field measurement, in a factory-engineered system; Insulation thickness should meet or exceed that of the cable
4. Heat shrinkable stress control tubing - Reduces electrical stress to safe operating levels
5. Stress relief material - Minimizes stress around the connector and the shield cutback
6. Grounding and shielding - Ground braid provides continuity across the splice; Ground clamp provide secure grounding without soldering; Shielding mesh surrounds the splice for personnel protection
7. Semi-conductive layer - Reconstructs the cable insulation shield

Version: 01 2018/JAN/02