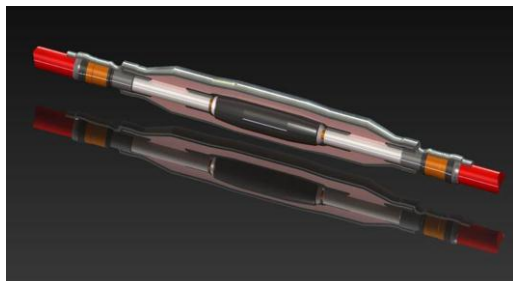


SIXTY-SPEED: 72.5 kV (IEC) / 69 kV (IEEE) joint

Product Description

IEC 60840/IEEE 404



sectionalized version suitable for two single-core cross-bonding cables – not to scale

- **FACTORY-EXPANDED:** cold-shrink **EPR** joint.
- **ALL-IN-ONE** design: majority of components are supplied already in place.
- **Integrated** link-devices to connect the joint and cable metallic screen.
- **Integrated** elastic outer sheath.
- **SECTIONALIZED** and **NON-SECTIONALIZED** versions available.
- **SELF-EJECTING** technology
- Shear bolts mechanical connector.
- **TOOL-FREE** solution.
- **LEAN** product: very few components in the joint kit.

Application

- Joint for single-core extruded cables (**XLPE** or **EPR**).
- Copper (**Cu**) or Aluminium (**Al**) conductor.
- Copper wires screen or Aluminium laminated sheath.
- Cable sizes: from **120 mm² (240 kcmil)** up to **1000 mm² (2000 kcmil)**.
- Voltages: 36/69 (72.5 kV) (**IEC**) and 39.8/69 kV (BIL 350 kV crest) (**IEEE**).
- Suitable for buried installations also in presence of water table (1m water-proof).

Installation Features

- **Easy to install:** no special tools, neither torch are required (tool-free solution).
- **Quick assembling:** designed for reducing installation time. Main components are already expanded and placed in the correct position. Joint sealing simply done by removing supports from the outer sheath.
- **Self-ejecting supports:** no special skill required for the installation.
- **100% factory tested:** submitted to electrical test and Partial Discharges measurements before shipping.
- **2 years** shelf-life.

Additional Options

Following items can be supplied on request:

- **Metallic casing**, as additional mechanical protection.
- **Coffin-box filled with resin**, as additional water protection suitable for concentric cross-bonding cable.
- **Heat-shrinkable** outer protection instead of the integrated elastic outer sheath.

Qualifications

- Qualified in accordance to **IEC 60840** and **IEEE-404**.
- **Short circuit** tested up to 40 kA/0.5 sec.

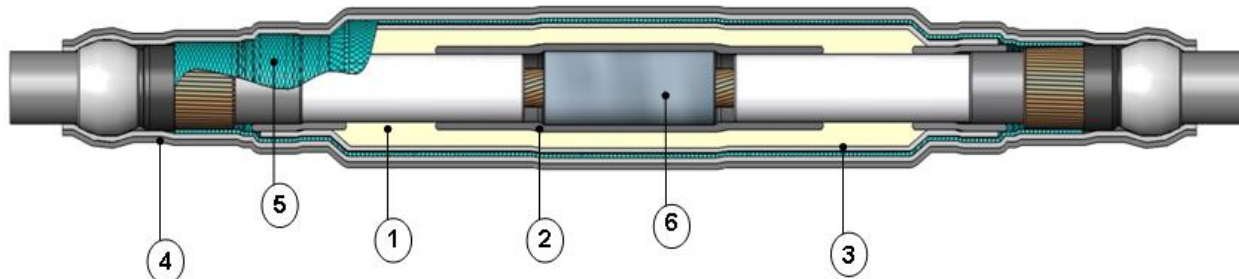


Expanded joint body
Straight version



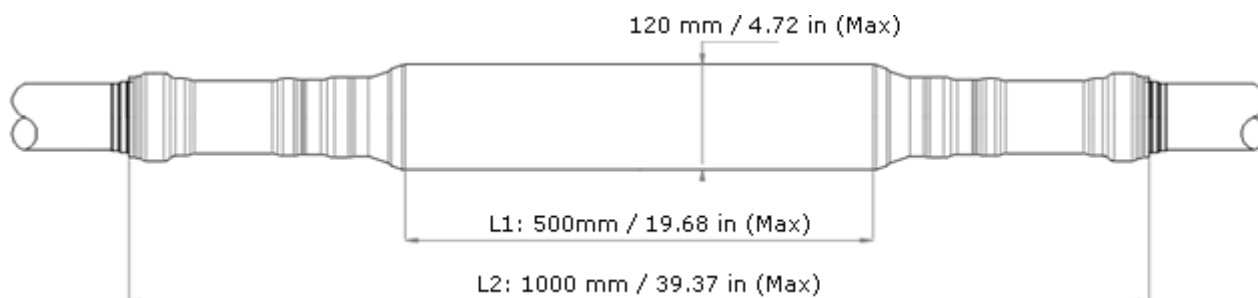
Self-ejecting
support

Joint Components



1. Premoulded EPR body.
2. Embedded electrode (Faraday cage).
3. Semiconducting sheath (with integrated insulating ring for the sectionalized version).
4. Elastic outer sheath (water sealing).
5. Metallic joint screen.
6. Shear-bolts mechanical connector.

Overall Dimensions



Application Range IEC (mm²)

IEC Maximum System Voltage	SIXTY-SPEED MODEL	Cross-section range (mm ²)	Cable insulation range (mm)	Max. cable outer diameter (mm)
72.5 kV	1	120-240	30.3-42.6	58.0
72.5 kV	2	300-1000	37.7-61.3	77.0

Please refer to our General Installation, Safety & Handling recommendations before handling.

Application Range IEEE (kcmil)

IEEE Rated System Voltage	SIXTY-SPEED MODEL	Cross-section range (kcmil)	Cable insulation range (in)	Max. cable outer diameter (in)
69 kV	1	240-480	1.19-1.67	2.28
69 kV	2	600-2000	1.48-2.41	3.03

Please refer to our General Installation, Safety & Handling recommendations before handling.