

ELASTIC STRAIGHT THROUGH JOINT

For polymeric cables - with mechanical connector

REFERENCE: **EPJMe/EC-1C Compact**

elaspeed™
EC
"COMPACT"

**UTILISATION**

- Jointing polymeric insulated cables of different specifications;
- Conductor sizes equal or unequal, compressed or not or solid;
- May be directly buried;
- Jointing cables laid underground or in tunnels on horizontal racks, or aerial.

CABLES

- Copper or aluminium conductor, solid or stranded;
- Conductor sizes: 25mm² to 400mm²;
- Single core polymeric insulation (PE, XLPE, EPR ...);
- Insulation voltage 12.7/22 (24)kV;
- Semi-conducting screen either extruded or taped;
- Metallic screen of tape, wire or polylam type;
- Non-armoured or armoured.

STANDARDS

- Generally meets the requirements of IEEE 404-2000 – CENELEC HD 629.1 S2 – IEC 60502-4 – NF C 33-001 – NF C 33-050 A1 – ENEL DJ 4853 – DIN 57 278.
- Mechanical connector: IEC 61238-1 class A, HN 68-S-91

QUALITY ASSURANCE

- The Company has been assessed by third party and found in conformity with the requirements of the standard ISO 9001-EN 29001.

PACKING

- Supplied as a kit for one single core joint (P1) or three single core joints (P3) containing all the necessary components.

Shipping weight and volume (approx) of kit (P1)
- 24 kV 2.5 kg / 0.01 m³

INSTALLATION FEATURES

- No need for special tools, no heating, taping or resin.
- Immediate energizing after completion of the joint.
- Installation temperature: 0°C to +50°C
- Stocking temperature: -10°C to +50°C

OTHER PRODUCTS

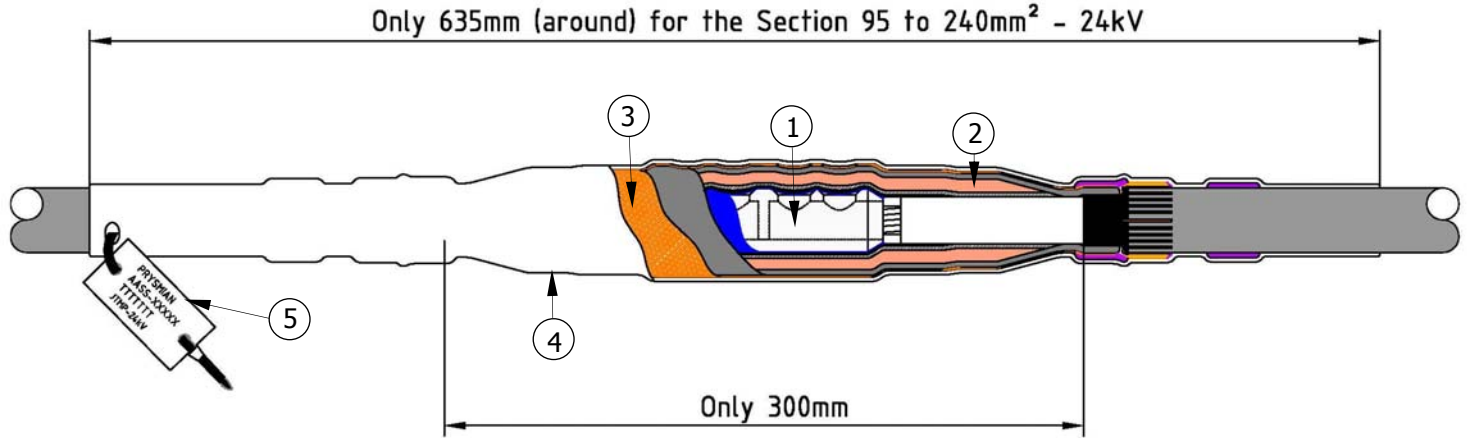
- Joint for 3/C polymeric cables RTJMe/EC-3C, EIJMe/EC-3C.

NEW COMPACT DESIGN

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DESCRIPTION

Rep 1 Mechanical connector.

The connector has a wide range of application: multi-sections, aluminium or copper and stranded or solid conductor. The connector is supplied with an adhesive protective aluminium sheet.

Rep 2 Joint body.

It maintains a permanent and uniform contact pressure on the cables interfaces. Electrically tested in factory after extrusion. It includes:

- Semi-conducting layer used like shielding electrode,
 - Stress relief layer,
 - Insulation layer,
 - Outer semi-conducting layer.
- All the cables layers are rebuilt.

Rep 3 Joint screen.

Tubular copper braid connected on cable screens with constant force springs.

Rep 4 Elastic outer protection.

Extruded EPR rubber, it maintains a permanent and uniform contact pressure on the cables outer sheath. It ensures mechanical protection, watertightness and UV resistance of the joint.

Rep 5 Identification label.

Self-eject carrier tube.

Single self-eject carrier tube made of two parts. All the joint components are pre-loaded on it.

SELECTION GUIDE

1. Select in the table below, the kit model corresponding to the diameter over insulation, over outer sheath and the diameter over conductor.

For cables with reduced insulation thickness or other cross-sections, please contact us.

Voltage Um	Max OD sheath mm (*)	Min OD insulation mm	Conductor size mm ² (for guidance only)	KIT reference
24 kV	34	17.2	25 - 50	EPJMe/ EC -1C-24-D
	38	19.0	50 - 95	EPJMe/ EC -1C-24-E
	48	23.1	95 - 240	EPJMe/ EC -1C-24-F
	50	24.4	120 - 300	EPJMe/ EC -1C-24-H
	57	27.8	185 - 400	EPJMe/ EC -1C-24-IP

(*) including screen continuity device

2. Specify insulation voltage U in kV: 24
3. Select the screen continuity device according to the type of metallic screen of cable:

Earthing Device Reference	Type of Metallic Screen of Cable
T1	polylam
T2	Copper tape
T3	Copper wires

4. Select the packing one phase **P1** or three phases **P3**

EXAMPLE OF ORDER

20 kV single core polymeric insulated cable, with wire screen, aluminium conductor, 1 x 150 sqmm, OD over insulation 26.0mm, OD over outer sheath 39.0mm, kit for one phase : **EPJMe/EC-1C-24-F-T3-P1-Compact**