

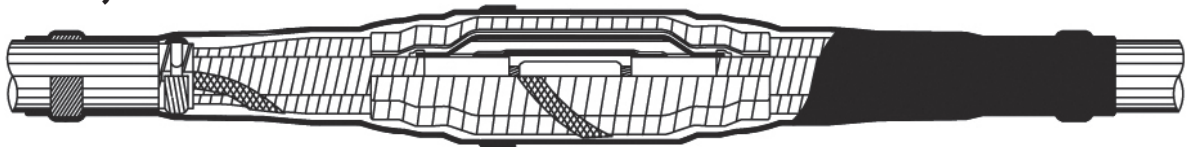
Elastic straight through joint with integrated electrode



For three core polymeric cables - heatshrinkable outer protection
Generally meets the requirements of CENELEC HD 629-1 - IEEE 404 - IEC 60502-4



Medium Voltage (MV)
Up to 12,7/22 (24) kV
MV Joints
Reference: RTJMe-3C



Product Application and Design

Utilisation

- Coldshrink joint for polymeric insulated cables of various specifications.
- May be directly buried.
- Jointing cables laid underground, in tunnels on horizontal racks, or aerial.

Cables

- Three core polymeric insulation (XLPE, EPR).
- Copper or aluminum conductor.
- Metallic screen copper tape or copper wires.
- Semi-conducting screen either extruded or taped.
- Insulation voltage up to 24 kV.
- Conductor sizes: 25 to 500 mm².
- Non-armoured or armoured.

Packing

Supplied as a kit for one three core joint containing all the necessary components except the ferrules (supplied on request).

Shipping weight and volume (approx) of kit

- 12 kV	7 kg / 0.05 m ³
- 17.5 kV	7 kg / 0.05 m ³
- 24 kV	7 kg / 0.05 m ³

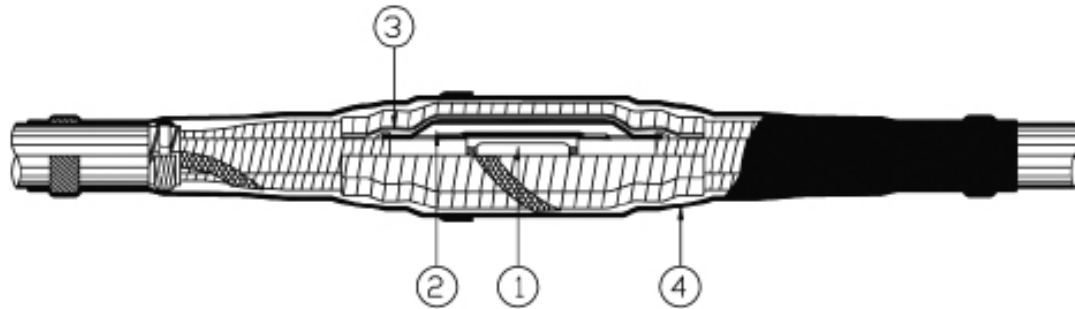
Other products

- Joint for 1/C polymeric cables EPJMe-1C, RTJMe-1C.

Installation features

- No need for special tools.
- Immediate energizing after completion of the joint.

Description



This product is a combination of a Cold-Shrink insulating body with an Heat-Shrinkable outer sleeve protection.

① **Conductor ferrule**

Crimped, deep indented or bolted type. For mechanical connector, please consult us.

② **Cold-Shrink joint body**

It maintains a permanent and uniform contact pressure on the cable insulation. Extruded EPR rubber, electrically tested in factory after extrusion. It includes:

- semi-conducting layer used like shielding electrode,
- stress relief layer,
- insulation layer,
- outer semi-conducting layer.

The joint body rebuilds three cable layers.

The outer semi-conducting layer ensures relief of electrical stress and connection to cable screens.

Traceability label

Each joint body is delivered with a serial lot number for full traceability.

Removable carrier

The joint body is pre-loaded on a single removable carrier made of two parts.

③ **Core screen**

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

For wire screen: copper mesh tape and direct connection of cable screen wires.

④ **Outer protection**

Heat shrinkable tubes with hot melt coating. Ensures the mechanical protection and the watertightness of the joint.

1- Select in the table below, the kit size corresponding to the insulation voltage (in kV: 12 - 17.5 - 24) and the diameter over insulation.

Voltage Um	Min diam over insulation in mm	diam over conductor size in mm ² (for guidance only)		Kit reference
		Min	Max	
12 kV	17,2	70	120	RTJMe-3C-12-D
	19,0	95	150	RTJMe-3C-12-E
	23,1	185	300	RTJMe-3C-12-F
	24,4	240	400	RTJMe-3C-12-H
	27,8	300	500	RTJMe-3C-12-IP
17,5 kV	17,2	50	70	RTJMe-3C-17-D
	19,0	70	120	RTJMe-3C-17-E
	23,1	150	240	RTJMe-3C-17-F
	24,4	185	300	RTJMe-3C-17-H
	27,8	240	500	RTJMe-3C-17-IP
24 kV	17,2	25	50	RTJMe-3C-24-D
	19,0	50	95	RTJMe-3C-24-E
	23,1	95	240	RTJMe-3C-24-F
	24,4	120	300	RTJMe-3C-24-H
	27,8	185	400	RTJMe-3C-24-IP

2- Specify insulation voltage in kV : 12 - 17 - 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
T2	Copper tape
T3	Copper wires

Example of order

20 kV three core polymeric cable, with copper tape screen, 3 x 150 mm², diam over insulation 26,0 mm : **RTJMe-3C-24-F-T2.**