

# Product Bulletin

# Inline joints for screened flexible cables with and without metal shields for 3.6 kV and 7.2 kV

## Product Features

The EMKJ range of Raychem joints is intended for the flexible rubber cables used in tough environments such as mines, ship-yards, steel works and other industries. In addition to providing high quality electrical insulation, the heat-shrinkable polymer materials are flame and abrasion resistant, and enable these truly flexible joints to withstand frequent winding onto cable drums.

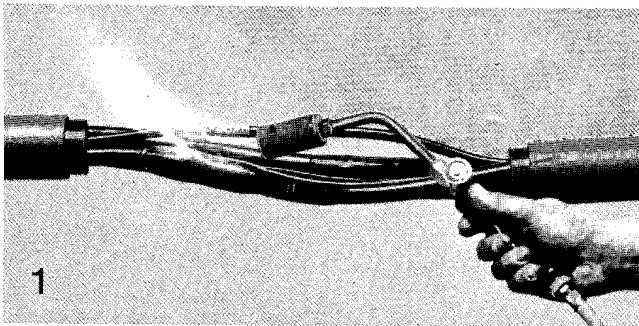
Fast installation and durable moisture sealing are achieved by simply heating the joint components. These then shrink to tightly fit the cable at the same time as pre-installed adhesives melt and flow to block interstices. Each kit comes complete with full illustrated installation instructions.

As each component will shrink to fit a number of cable or core diameters, almost all 3-phase-core flexible cables up to 185 mm<sup>2</sup> for 3.6 kV and 7.2 kV can be jointed with just a few EMKJ kits. Inventories are reduced and stock-keeping simplified.

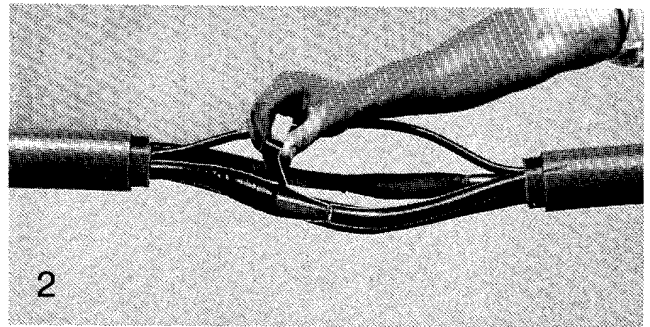
Raychem EMKJ joints are designed to perform to the highest electrical and mechanical standards, and meet Raychem specification PPS 3013, which encompasses the requirements of the major national and international norms.

For further details please contact your local Raychem sales engineer.

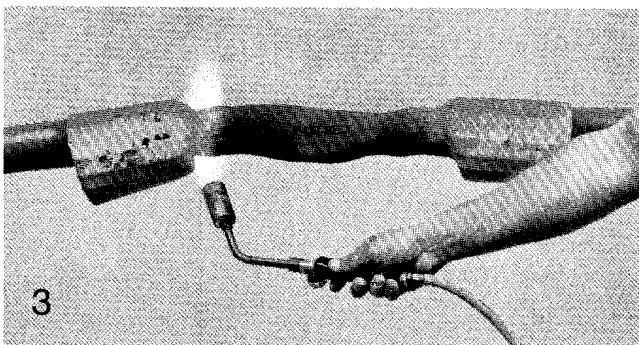
## Installation Sequence



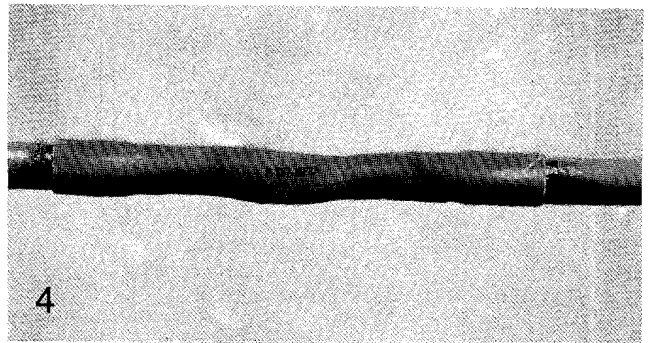
1 Insulating sleeves are shrunk over the connectors.



2 The core screen is restored with a layer of semi-conductive tape. Flexible copper braid continues the shield over the joint.



3 The insulating and sealing functions of the oversheath are quickly replaced by the heat-shrinkable outer sleeve.



4 The completed joint is compact, flexible, and ready for immediate use.

# Raychem

**Selection Chart**

**Cables with one earth conductor**

Size of Conductor [mm <sup>2</sup> ] phase/earth		Raychem Part Number
3.6 kV	7.2 kV	
10/10- 35/35	10/10	EMKJ 2001
50/50- 95/95	16/16- 95/95	EMKJ 2011
120/120-185/185	120/120-185/185	EMKJ 2021

**Cables with three earth conductors**

Size of Conductor [mm <sup>2</sup> ] phase/earth	Raychem Part Number
3.6 kV and 7.2 kV	
25/10- 95/16	EMKJ 2201
120/16-185/35	EMKJ 2211

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Such an assurance is only provided in the context of our product specifications. Our liability for this product is set forth in our standard terms and conditions of sale. Raychem, RSES and Rayvolve are trade-marks of Raychem Corporation.

**At Raychem we are committed to continuous quality improvement in every aspect of our business.**

**Raychem**

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