

LOW VOLTAGE HEAT SHRINK JOINTS TECHNOLOGY

CONNECTING YOUR NEEDS TO TOMORROW'S NETWORKS

THE LATEST JOINTING TECHNOLOGY BUILT ON PROVEN EXPERIENCE

PREMIUM ESSENTIALS

The Premium Essentials portfolio contains products for copper and aluminum energy cables that cover your everyday jointing needs. The design of each product is optimized so that the entire LV range (1.5 mm² - 240 mm²) is covered by only four kits. This not only results in quick delivery times, but also in a significant decrease in the inventory that you have to hold as a customer. All Premium Essential products meet EN 50393 specification. Some key product offerings from this portfolio are shown below.

LJSM

An inline joint for plastic cables:

- Includes shear bolt connectors that cover a wide application range and do not require special crimping tools
- Designed according to DIN V 47640
- Covers crimp and mechanical lugs



LJTM

A transition jointing system to connect various paper with plastic cables:

- Includes shear bolt connectors that cover a wide application range and do not require special crimping tools
- Designed according to DIN V 47640
- Covers crimp and mechanical lugs



EPKE

Live end seals for plastic and paper cables:

- Covers 4 and 5 core applications
- Coated with an adhesive solution for water sealing



EPKT

A termination for LV plastic / paper cables:

- Covers 4 and 5 core applications
- Coated with adhesive solution for water sealing



INNOVATIVE SOLUTIONS

The Innovative Solutions portfolio contains products for various cable types and applications that excel in harsh environments. These products set a new jointing benchmark for example in the field of safety class cables (fire resistant) and flexible cables. All innovative jointing solutions meet EN 50393, as well as the distinct specifications of the cable. A few key product offerings from this portfolio are shown below.

LFRJ

A joint for fire resistant cables up to 1 kV:

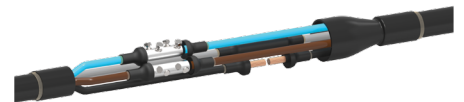
- No fragile components which improves functionality and decrease the risk of failure
- Meets the characteristics and flexibility requirements of safety class cables
- Meets the IEC 60331, 332; DIN 4102-12 and BS 6387 specifications



LJC5-M

An Inline joint for class 5 flexible cables:

- Includes shear bolt connectors that cover a wide application range and do not require special crimping tools
- Meets the characteristics and flexibility requirements of class 5 cables
- Easy installation and no special tools needed



ECKJ

A joint for control cables in heavy industries:

- Indoor & outdoor applications
- Applicable for 1 – 2.5 mm² with and without armor



EMKJ

A joint for flexible cables in heavy industries:

- Indoor and outdoor applications
- Meets the IEC 60332, DIN 53516 and DIN 50393 specifications
- Flexible and abrasion resistant
- Suitable for use in open mines, shipyards and chemical plants



EPKJ and AR

Raychem Inline Joints for Plastic and Rubber Insulated Cables up to 1 kV, with or without Armour

FEATURES

- Heat-shrink adhesive coated tubes.
- Wide application range
- Suitable for wide range of connectors

APPLICATION

- Designed for 2, 3 and 4 core cables up to 300 mm² with XLPE, PVC or EPR, with or without armour, PVC or PE sheath

CONFORMS TO

- EN 50393

1 kV 2 and 4 core joint for armoured cable



Product name	No of cores	Conductor size (mm ²)	Part number
AR101 (SMOE-81283)	4	1.5 – 4	731401-000
AR102 (SMOE-81284)	4	6 – 16	086387-000
AR3 (EPKJ-0130-(S5))	4	25 – 50	630855-000
AR4 (EPKJ-0137-(S5))	4	70 – 150	378703-000
AR5 (EPKJ-0144-(S1))	4	185 – 300	602241-000

1 kV 4 core joint for unarmoured cable



Product name	No of cores	Conductor size (mm ²)	Part number
EPKJ 0228-(S10)	4	1.5 – 6	676955-000
EPKJ 0235-(S10)	4	6 – 16	793331-000
EPKJ 0242(S10)	4	16 – 35	211661-000
EPKJ 0249(S5)	4	35 – 70	637809-000
EPKJ 0256(S5)	4	70 – 150	482979-000
EPKJ 0263(S5)	4	150 – 300	609695-000

NOTE 2 and 3 core applications on request. Joints exclude connectors.

ECKJ

Raychem Inline Control Joints for Plastic Insulated Multi-core/ Mutli-pair Cables up to 1 kV, with or without Armour



FEATURES

- Heat-shrink adhesive coated tubes.

APPLICATION

- Designed for multicore / multipair plastic insulated cables
- PVC or PE sheath

CONFORMS TO

- EN 50393

Multicore armoured

Product name	No of cores	Conductor size (mm ²)	Part number
ECKJ-0017	4 – 7	1.0 – 2.5	786686-000
ECKJ-0018	8 – 14	1.0 – 2.5	786687-000
ECKJ-0019	15 – 21	1.0 – 2.5	786785-000
ECKJ-0020	22 – 40	1.0 – 2.5	786356-000
ECKJ-0021	41 – 75	1.0 – 2.5	786513-000

Multipair armoured

Product name	No of pairs	Conductor size (mm ²)	Part number
ECKJ-0140	1 – 4	0.6 – 1.0	802965-000
ECKJ-0141	5 – 7	0.6 – 1.0	786769-000
ECKJ-0142	8 – 19	0.6 – 1.0	803162-000
ECKJ-0143	20 – 37	0.6 – 1.0	786412-000
ECKJ-0144	38 – 61	0.6 – 1.0	786355-000

Multipair unarmoured

Product name	No of pairs	Conductor size (mm ²)	Part number
ECKJ-0393	15 – 20	0.6 – 1.0	786828-000
ECKJ-0395	25 – 30	0.6 – 1.0	946619-000



EPKJ Heat-shrinkable joint system for polymeric and MIND paper insulated cables for up to 1 kV

General Description

Raychem EPKJ series of heat shrinkable joints is based on well established, highly reliable, radiation cross linked polymeric tubes which are easy to install, eliminates shelf life limitations even in severe climates and permits immediate back filling of trenches and quick energization.

The insulating and sealing performance of Raychem heat-shrinkable materials has been demonstrated in the course of over 35 years' use in power engineering. These proven materials form the basis for Raychem inline joints for cables up to 1 kV.

Features & Benefits

- All applications for polymeric and MIND paper on 1-core, 3-core, armoured and unarmoured cables.
- Applying equally well to both armoured and unarmoured cables, the Raychem technique achieves insulating and sealing in one step by heating.
- A galvanized steel grid flexible enough to be easily wrapped round the joint, but rigid when clamped to the cable armour.
- Enhanced range-taking ability means that one kit fits more conductor sizes, reducing stocking requirements.
- Unlimited shelf life allows stocking of economic quantities without product spoilage Simplified cable.
- Factory engineered kit permits rapid on-site installation.
- No mechanical stress at insulation screen cutback.
- Unsurpassed performance in polluted environments, proven over three decades.

Selection Information: dimensions shown in millimeters

EPKJ Joints for Plastic and Rubber Cable, Um=1 kV, without Armour

Size of Conductor(mm ²)	Number of Cores	Part Number(for Cable without Armour)	Part Number(for Cable with Concentric Neutrals)
1.5-6	2	EPKJ0226	EPKJ0226-01
1.5-6	3	EPKJ0227	EPKJ0227-01
1.5-6	4	EPKJ0228	EPKJ0228-01
6-16	2	EPKJ0233	EPKJ0233-02
6-16	3	EPKJ0234	EPKJ0234-02
6-16	4	EPKJ0235	EPKJ0235-02
16-35	2	EPKJ0240	EPKJ0240-03
16-35	3	EPKJ0241	EPKJ0241-03
16-35	4	EPKJ0242	EPKJ0242-03
50-70	2	EPKJ0247	EPKJ0247-04
50-70	3	EPKJ0248	EPKJ0248-04
50-70	4	EPKJ0249	EPKJ0249-04
70-150	2	EPKJ0254	EPKJ0254-05
70-150	3	EPKJ0255	EPKJ0255-05
70-150	4	EPKJ0256	EPKJ0256-05
150-300	2	EPKJ0261	EPKJ0261-06
150-300	3	EPKJ0262	EPKJ0262-06
150-300	4	EPKJ0263	EPKJ0263-06

EPKJ Joints for 4-Core Plastic and Rubber Cable, Um=1 kV, with Armour

Size of Conductor(mm ²)	Part Number(for Cable with Tape Armour)	Part Number(for Cable with Wire Armour)
1.5-6	-	EPKJ0081
6-16	EPKJ0122	EPKJ0123
25-50	EPKJ0129	EPKJ0130
70-150	EPKJ0136	EPKJ0137
185-300	EPKJ0143	EPKJ0144

EPKJ Joints for MI/MIND Paper Cable, Um=1 kV, with Armour

Size of Conductor(mm ²)	Number of Cores	Part Number
16-25	4	EPKJ0528
	5	EPKJ0529
35-50	4	EPKJ0535
	5	EPKJ0536
70-150	4	EPKJ0542
	5	EPKJ0543
185-300	4	EPKJ0549
	5	EPKJ0550

Note: For other cable application, please contact your local sales representative.

Technical reports (Others information can be provided as request.)

PPR-2407 Test report for EPKJ (up to 1 kV) according to DIN EN 50393-2006

PPR-2856 Approval Certificate of EPKJ (up to 1 kV) by DNV