



## HEAT-SHRINKABLE JOINTS APKJ

### FOR SCREENED PLASTIC AND RUBBER INSULATED CABLES FROM 7.2 kV UP TO 40.5 kV

#### KEY FEATURES

- Polymeric/elastomeric triple extruded joint body ensures higher recovery force and fewer components, improving reliability and simplifying installation.
- No penciling of insulation required, reducing installation time.
- Enhanced range-taking ability reducing stocking requirements.
- Special low viscosity void filler flows to create a smooth profile.
- Unlimited shelf life.
- Unsurpassed performance in polluted environments.
- Tested in accordance to GB/T 12706.4

TE Connectivity's (TE) Raychem APKJ joint system is made of heat-shrinkable materials which are fast and simple to install, eliminates shelf-life limitations even in severe climates, and permits immediate back-filling of the trench and re-energize. The insulating, screening and electrical field control layers of the joint are made of cross-linked polymeric materials with precisely defined electrical characteristics. Pre-packed in the correct nested sequence, the joint components are slid over the prepared cable end. After jointing the conductors, each tubing is positioned over the connector and shrunk.

The stress control tubing at each cable end in combination with the yellow stress grading mastic at the screen cut provide a precisely defined impedance characteristic which smooth the electrical field. For ease of installation, a stress control patch is applied around the mechanical connector to provide a similar function.

Modern cable laying techniques require a robust oversheath replacement capable of withstanding high mechanical stress.

The thick-wall heat-shrinkable tubing is internally coated with a hot melt adhesive to ensure an effective moisture seal and corrosion protection for the joint. When installed, the joints provide the similar level of protection and thickness as modern cables with PE oversheath.

**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**



## PRODUCT SELECTION INFORMATION

| Description                                       | Size of Conductor (mm <sup>2</sup> ) |
|---------------------------------------------------|--------------------------------------|
| <b>8.7/15(17.5) kV, Three-core, with Armor</b>    |                                      |
| APKJ-10-2550                                      | 25 - 50                              |
| APKJ-10-7015                                      | 70 - 150                             |
| APKJ-10-1830                                      | 185 - 300                            |
| APKJ-10-4050                                      | 400 - 500                            |
| <b>8.7/15(17.5) kV, Three-core, without Armor</b> |                                      |
| APKJ-10-2550-U                                    | 25 - 50                              |
| APKJ-10-7015-U                                    | 70 - 150                             |
| APKJ-10-1830-U                                    | 185 - 300                            |
| APKJ-10-4050-U                                    | 400 - 500                            |
| <b>12/20(24) kV, Three-core, with Armor</b>       |                                      |
| APKJ-24-9524                                      | 95 - 240                             |
| APKJ-24-3050                                      | 300 - 500                            |
| <b>26/35(40.5) kV, Single-core</b>                |                                      |
| APKJ-35-5018-SC                                   | 50 - 185                             |
| APKJ-35-2463-SC                                   | 240 - 630                            |
| APKJ-35-5015-SC-LSF*                              | 50 - 150                             |
| APKJ-35-1840-SC-LSF*                              | 185 - 400                            |
| APKJ-35-5095M-SC-LSF*                             | 50 - 95                              |
| APKJ-35-1224M-SC-LSF*                             | 120 - 240                            |
| APKJ-35-300M-SC-LSF*                              | 300                                  |
| APKJ-35-400M-SC-LSF*                              | 400                                  |
| <b>26/35(40.5) kV, Three-core</b>                 |                                      |
| APKJ-35-5018                                      | 50 - 185                             |
| APKJ-35-2440                                      | 240 - 400                            |

\* Low smoke, Halogen-free.

Note: For other applications and more details, please contact your local TE Energy sales representative.

[te.com/energy](http://te.com/energy)

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