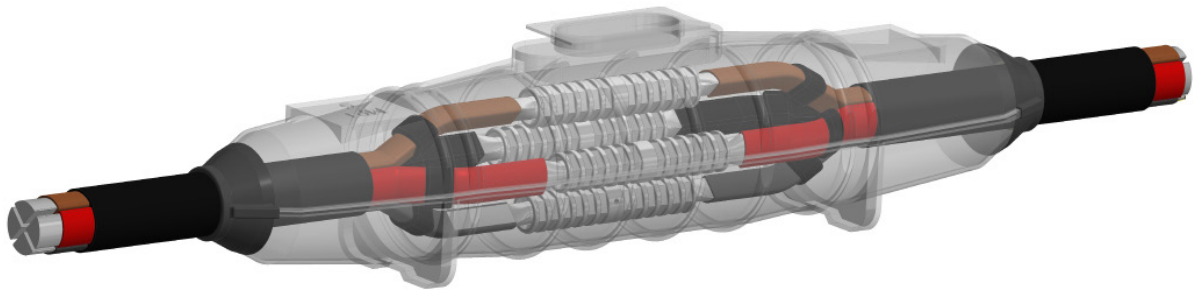


## Signalling Power Distribution Cable Jointing Course

Handling and Installation of Prysmian RPJ series of Joint Kits for use on Aluminium and Copper cables



### Scope:

The course is designed to give the delegates the knowledge and practical skills to joint two core and four core Aluminium and Copper rail signalling power distribution cables using Prysmian RPJ enhanced cold pour resin joint kits.

(These kits are designed and approved Network Rail Product Specification NR/L2/SIGELP/27423)

### Course Programme Overview:

- Jointing best practice for signalling power distribution cable
- For Aluminium and Copper cables
- Cable preparation
- Cable jointing
  - Selection and use of the correct crimping system
  - Use of correct encapsulation material
- Identification of required testing

## Objectives

Upon successful completion of the course, participants will be able to:

- Demonstrate understanding of electrical site safety
- Understand best practice for reliable jointing of 1kV power cables
- Understand the risks of poor jointing and how to mitigate them
- Understand perceived issues associated with jointing aluminium conductors
- Demonstrate safe cable handling methods (during jointing process)
- Identify types of rail signalling power cable and understand how to strip and prepare using the correct cable preparation tools and material
- Select the correct joint kit for a specific installation
- Demonstrate correct crimp and die selection and produce reliable compression joint fittings
- Demonstrate the correct use of the approved JEM cold pour resin
- Construct RPJ series joint kits in accordance with Prysmian Jointing Instruction RPJ-JI

## Method:

- Classroom theory
- Expert demonstrations
- Individual practical exercises
- Final assessment (pass/fail)

## Pre-requisites:

- Delegates need to be qualified electrician or jointers
- Hold Network rail Plant 001 competency

## Contact us:

For further information about the course or to book a place please contact: [RPJ.training@prysmiangroup.com](mailto:RPJ.training@prysmiangroup.com)

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