

# Construction News - Engineering

## Three Core to Single Core Straight Joint Kits

- > A new kit is being introduced to assist with three-core to single core cable jointing
- > Drawing CEOM7204.71 has been updated to reflect the inclusion of the new kit and CEOM7004 Standards Contestable (Approved) Material List (AML) has been updated with the new inventory category numbers.

### Background – what happened?

Three core cable is the main cable type that has been installed across the Essential Energy footprint. In some locations the use of single core cable has been utilised due to design constraints or the preferred legacy choices in a region. When works require jointing between the three-core cable to a single core, there are challenges with moisture sealing the cable and maintaining screen fault rating. The introduction of the new joint kits provides a viable option that addresses these concerns.

### Introduction of Kit

Essential Energy is introducing Three Core to Single Core Straight Joint Kits to assist with alleviating the issues that have been raised by field staff when performing joints of this type.

11kV and 22kV kits can now be ordered from the Essential Energy warehouse through inventory. A sample kit is pictured to the right.

Like many of the available jointing kits on the AML, they will be provided with a QR Code on the box and a tag for installation with the joint.

The approved joiner performing the work must follow the QR Code process when installing the kit and log the appropriate information.

If in doubt about the process, please contact the Essential Energy representative listed on the bottom of this Construction News.



Description	Cat Number
Joint Straight 11kV 35-95mm <sup>2</sup> 3 Core to 3x Single Core AL XLPE Heat Applied	999065
Joint Straight 11kV 95-240mm <sup>2</sup> 3 Core to 3x Single Core AL XLPE Heat Applied	999070
Joint Straight 11kV 300-500mm <sup>2</sup> 3 Core to 3x Single Core AL XLPE Heat Applied	285869
Joint Straight 22kV 35-95mm <sup>2</sup> 3 Core to 3x Single Core AL XLPE Heat Applied	286141
Joint Straight 22kV 95-240mm <sup>2</sup> 3 Core to 3x Single Core AL XLPE Heat Applied	286143

### What do you need to do?

The drawing set CEOM7204.71 has been updated to include additional sheets covering the 11kV and 22kV three core to single core straight joints. Familiarise yourself with the changes to the drawings which are now available via the Standards online portal on the Essential Energy website.



More information is available on [Standards Online](#). If you have any questions, please contact: Daniel Kelly, on 02 6589 8623.