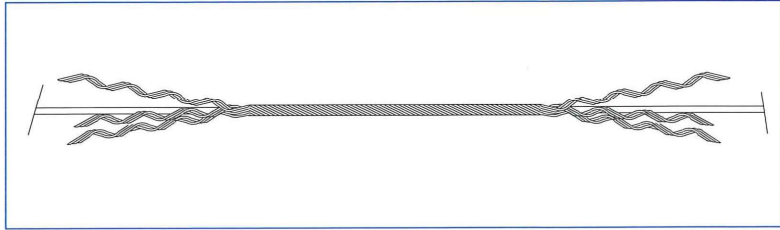


# JOINTING, REPAIR AND PROTECTION

## *PREFORMED™ ACSR Full Tension Splice*



### Application

The PREFORMED™ ACSR Full Tension Splice is a two, three or four component assembly designed to joint ACSR-type conductors and to provide restorative repair.

The ACSR Full Tension will hold the full rated breaking strength of and provide better conductivity than, an equal length of unspliced ACSR.

PREFORMED™ ACSR Full Tension Splice will restore original conductivity and full rated breaking strength to ACSR-type conductors. This type of splice is recommended when core damage is suspected.

Refer to section Line Splice for jointing and repair of homogeneous conductors. Other PREFORMED™ products with restorative repair capabilities are Armour Rods, Armour Splice, Line Guards, Repair Sleeve, Splice Shunts and ARMOR-GRIP Suspension for Line Repair. Refer to appropriate section and also to the repair chart in this section. When splicing aluminium or copper covered steel conductors, consult our sales office for recommendation.

Tapping over ACSR Full Tension Splices is not recommended.

Cleaning and preparation: Optimum electrical performance from ACSR Full Tension Splice used can only be achieved if the following instructions are observed:

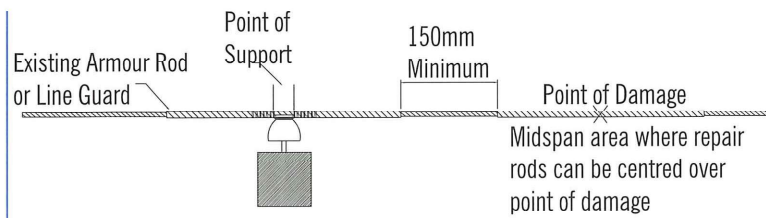
**Wire Brushing:** All conductors, new or weathered, **MUST** be thoroughly wire brushed before ACSR Full Tension Splices are applied.

**Inhibitors:** All conductors, new or weathered, **MUST** be coated with quality inhibitor along the area where the ACSR Full Tension Splice is to be applied. ACSR Full Tension Splices **MUST NOT** be re-used after original application.

**Line Grip Compound:** For certain large sizes of conductor the ACSR Full Tension Splice is supplied as single rods to make application easier. In this case, Line Grip Compound is provided to be spread over the area of the conductor to which the splice is applied. However the Line Grip Compound does not replace inhibitor grease.

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A) Core Splice: Sub-setting and gritted



B) Filler Rods: Sub-set or single rods, not gritted. The filler rods may not be required for certain sizes of conductor



C) Outer Splice: Sub-set and gritted.

3-5-7/2

### Construction

The component parts of the ACSR Full Tension Splice are manufactured from material compatible to the conductor to which they are applied. For ACSR the core splice is galvanised steel and the filler rods and outer splice are aluminium alloy.

### Lay Direction

The lay direction of the core and outer splices must be the same as that of the conductor elements to which it is applied.

### Product Referencing and Ordering

Contact PLP (GB) Ltd with the following information:-

- Quantity
- Catalogue number
- Product Name
- Strand: Material
  - Stranding
  - Diameter
  - Rated breaking strength
  - Lay direction of core and outer layer