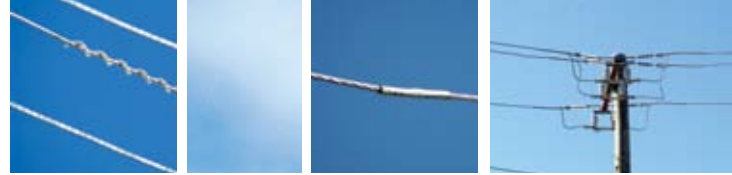


# PREFORMED™ Splice

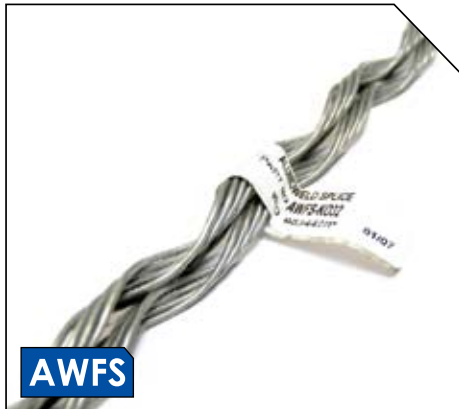


## For Galvanised Steel Conductor - SC/GZ



Part Number	Conductor Stranding	Conductor Diameter (mm)	Colour Code
GFS-025	1/2.50	2.50	Blue
GFS-038	7/1.25	3.80	Green
GFS-040	1/4.00	4.00	Brown
GFS-043	3/2.00	4.30	Yellow
GFS-048	7/1.60	4.80	Black
GFS-055	3/2.75	5.91	White
GFS-060	7/2.00	6.00	Yellow
GFS-075	7/2.50	7.50	Blue
GFS-083	7/2.75	8.30	White
GFS-100	7/3.25 19/2.00	9.75 10.00	Orange Yellow
GFS-113	7/3.75	11.30	Black
GFS-120	7/4.00	12.00	Black
GFS-138	19/2.75	13.80	White
GFS-163	19/3.25	16.30	Orange

## For SC/AC Conductors Left Hand Lay Standard



Part Number	Conductor Stranding	Conductor Diameter (mm)	Colour Code
AWFS-K023	3/2.75	5.91	White
AWFS-K032	3/3.25	6.98	Orange
AWFS-K040	3/3.75	8.06	Black
AWFS-K050	7/2.75	8.25	White
AWFS-K070	7/3.25	9.75	Orange
AWFS-K088	7/3.75	11.25	Black
AWFS-K106	7/4.25	12.75	Brown
AWFS-K136	19/2.75	13.75	White

**Note:** Contact PLP for splices to suit right hand lay conductors.



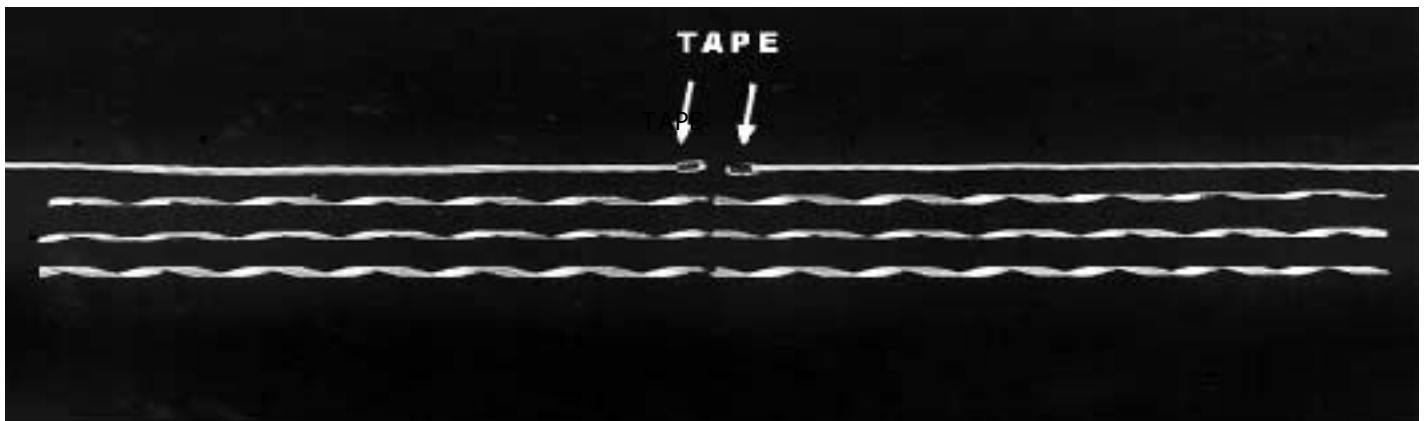
# Application Procedure & Safety Considerations

P R E F O R M E D L I N E P R O D U C T S

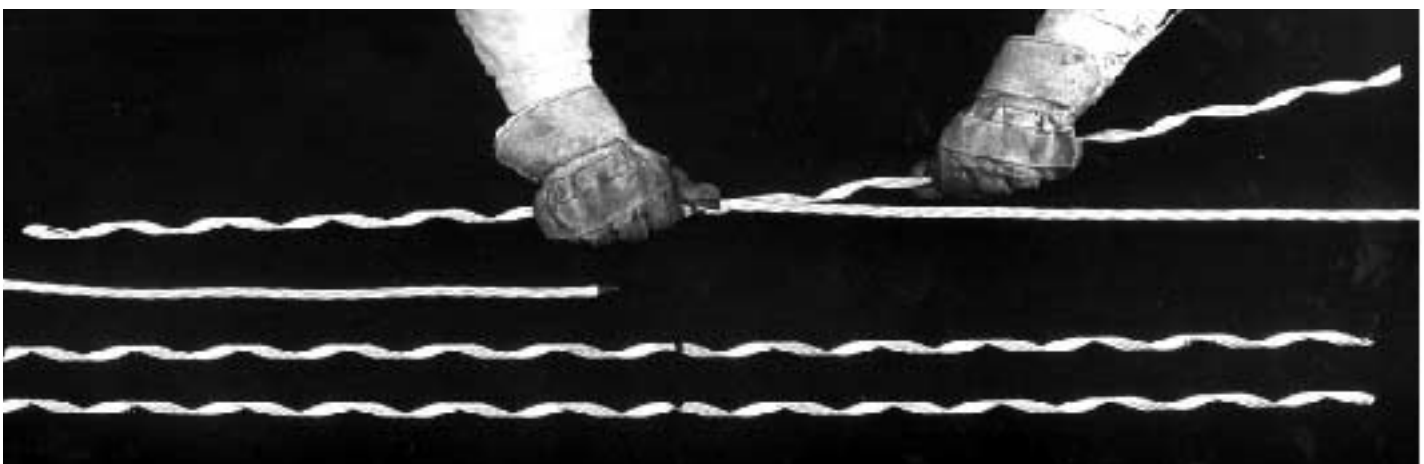
## Conductor Splice

Completely read and understand this procedure before applying products. Special attention should be given to the Safety Considerations located on the last page. We advise the reader to review those considerations now, and then again during the general review of this procedure

### Hand Application of Splice on Conductor.

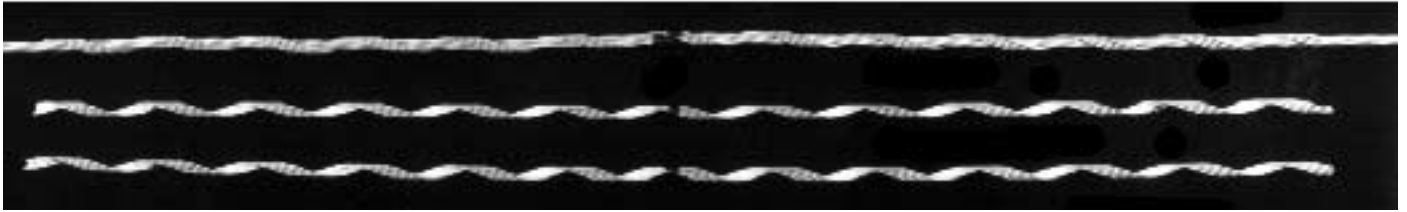


1) Illustration of splice as received in the field. Tape Aluminium Conductor ends with one layer of vinyl tape to prevent ends from flaring.

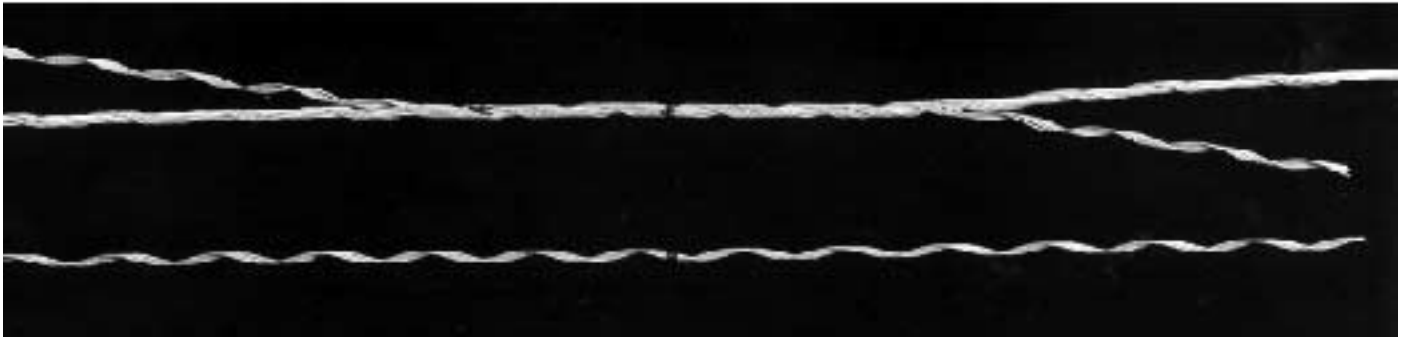


2) Conductor should be thoroughly wire brushed until bright and clean. A quality inhibitor must be applied to retard oxidation. Place one taped conductor end at the centre mark of one of the subsets. (NOTE: If each subset does not have the same quantity of rods, start with one containing the greatest number of rods.) Hold it securely with thumb and finger pressure and apply by wrapping the subset around the conductor.





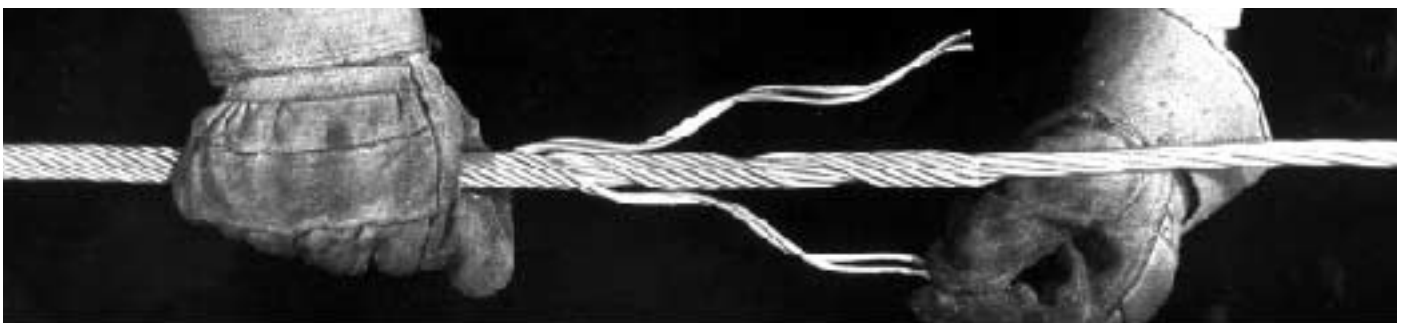
3) Position the other taped conductor end so that both ends are approximately 2 mm apart. Hold it securely and wrap on the subset completely.



4) Match the centre mark of the first subset and apply the second subset one or two pitch lengths on each side of centre.



5) Apply the third subset in the same manner, then wrap on both subsets simultaneously, to within one or two pitch length of completion.

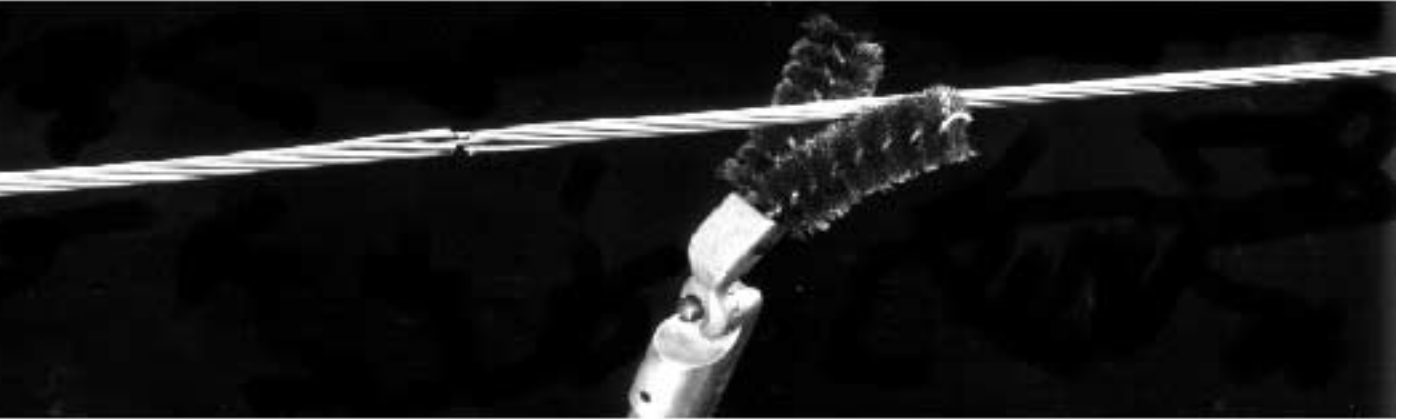


6) For an easy and distortion free application, split the subset as shown. Wrap each split end around the conductor separately, and apply thumb pressure till it snaps into place.



7) Splice completely applied

## Hot Stick Application of Splice on Damaged Conductor



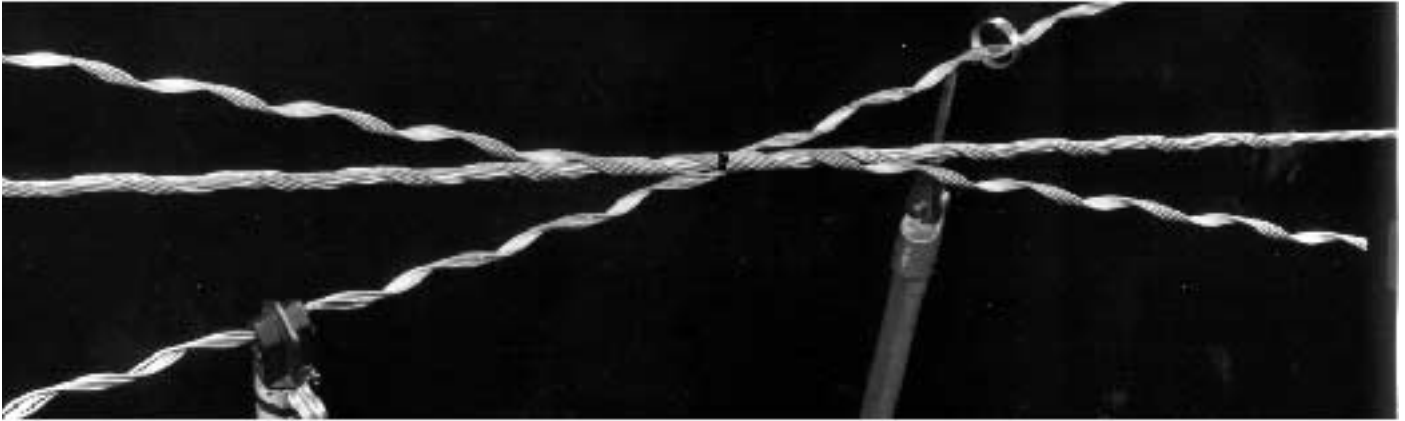
- 1) Prepare conductor by thoroughly wire brushing entire splice area until bright and clean. A quality inhibitor must be applied to retard oxidation. If damaged conductor ends are flared out, they must be unwrapped two pitch lengths and the flared ends severed with hotline cutters. Care should be taken not to distort the lay of the strands. The strands must then be wrapped back into their original positions before the splice can be applied.



- 2) Position the centre mark of one of the subsets at the centre of the damaged conductor as shown. (Refer to 'NOTE' in paragraph two of Hand Application Procedure.) Wrap on completely with the aid of an Applicator Ring.



- 3) Place the second subset in the hold stick, making sure that the centre marks match and that the subsets are seated tightly against each other.



4) When the second subset has been applied one pitch length each way from the centre, apply the third subset in the same manner.



5) After the second and third subsets have been started, move the hold stick to a convenient location to steady the conductor. Then wrap on the second and third subsets consecutively, one or two pitches at a time.



6) Snap the end of the splice into place with the Applicator Ring.



7) Splice completely applied. The ends of the splice rods can be snapped in easily by flexing the conductor and rotating the subset with thumb pressure until the rod ends snap into position.

## GENERAL NOTES

- 1) To assure a reliable electrical connection, all conductors, new or weathered, must be thoroughly scratch brushed until bright and clean immediately prior to installation.
- 2) A quality inhibitor must be applied to retard oxidation.
- 3) Tapping over a PREFORMED conductor splice is permissible. Whenever a tapping clamp will be installed over a splice, the outer surface of the splice should be thoroughly scratch brushed to remove any oxides and glue which may be present. Inhibitor should then be applied to the area beneath the tap itself.
- 4) PREFORMED Splices must not be re-applied after initial installation.
- 5) PREFORMED Splices may be used at the support point but only after factory consultation.
- 6) PREFORMED Splices are precision devices which should be handled carefully to prevent distortion and damage.
- 7) PREFORMED Splices should be stored in cartons under cover, preferably shelf storage.

## SAFETY CONSIDERATIONS

- 1) For proper performance and personal safety be sure to select the proper size PREFORMED Splice before application.
- 2) Some inhibitors when in contact with rubber protective equipment can reduce its dielectric strength and cause deterioration of the rubber. Please follow your company's safety procedures when this situation is encountered.
- 3) PREFORMED Splices are precision devices. To ensure tight assembly, they should be stored in cartons under cover and handled carefully.
- 4) This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual. Failure to follow these procedures and restrictions may result in personal injury.
- 5) When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact.
- 6) This product is intended for use by trained linesmen only. This product should not be used by any one who is not familiar with and trained in the use of it.



**PREFORMED  
LINE PRODUCTS  
(AUSTRALIA) PTY LTD**  
A.B.N. 27 004 533 877

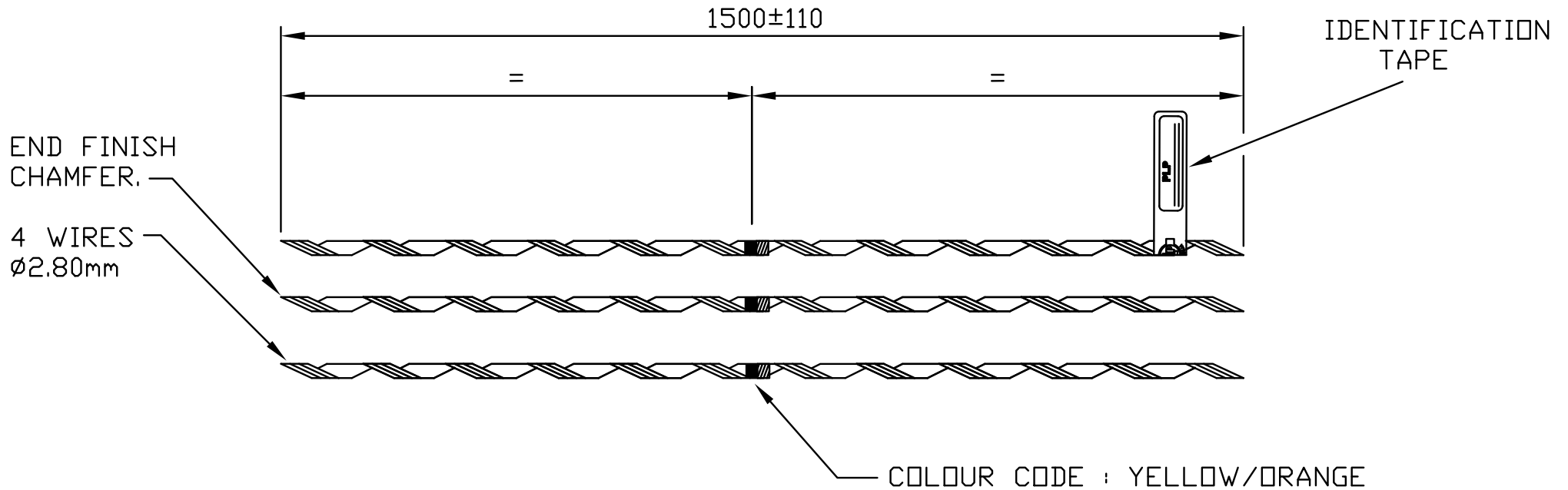
190 Power st. Glendenning, NSW Australia 2761  
PO Box 106, Glendenning Business Centre, NSW Australia 2761  
Phone: (02) 8805 0000 Fax: (02) 8805 0090  
intl 61 2 8805 0000 intl 61 2 8805 0090  
Email: [plpaus@preformed.com.au](mailto:plpaus@preformed.com.au)  
Web: [www.preformed.com.au](http://www.preformed.com.au)

NOTES

- 1. ALL DIMENSIONS IN MILLIMETRES.
- 2. TOLERANCES UNLESS OTHERWISE STATED:-
  - a. HOLE DIAMETRE ±0.5mm
  - b. LINEAR DIMS. UP TO 30mm ±1.5mm
  - c. LINEAR DIMS. OVER 30mm ±5% UP TO A MAX. OF 5mm.

- 3. BRACKETED DIMENSIONS DO NOT AFFECT INTERCHANGEABILITY OR COUPLING AND ARE FOR GUIDANCE ONLY.
- 4. MATERIAL TO AS1154

P/NO	LABEL DETAIL
GFS-100	SEE LABEL 1
GFS-098-2	SEE LABEL 2



LAY : RIGHT HAND  
 MATERIAL : GALVANIZED STEEL

NUMBER OF SETS : 3

LABEL1 PRODUCT TAPE COLOUR: YELLOW

LABEL2 PRODUCT TAPE COLOUR: YELLOW

19/2.00 MM (19/14)LM67048  
 7/3.25 MM (7/10)LM67046  
 SC/GZ  
 COLOUR: YELLOW/ORANGE



GAL. STEEL SPLICE  
 PART No. GFS-100  
 W/Ø---- MM/YY

7/3.25 MM LM67046  
 SC/GZ  
 COLOUR: YELLOW/ORANGE



GAL. STEEL SPLICE  
 PART No. GFS-098-2  
 W/Ø---- MM/YY

A	CW	14/5/91	D	CC	17/07/03
CHK	MP	15/5/91	CHK		
INITIAL ISSUE		D.S.C. No			
DSC NO.7168		A5920			

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PART No: SEE TABLE		
GALVANIZED STEEL SPLICE		
DRAWN	DM	PASSED
DATE		

		<b>PREFORMED LINE PRODUCTS (AUSTRALIA) PTY. LTD.</b>			
		ISSUE	A.R.C.	D	
SCALE		N.T.S.		DRAWING NUMBER	
				070-011-RD	

**PLP (AUSTRALIA) PTY LTD**  
**ENGINEERING DEPARTMENT**

DATE – 16<sup>TH</sup> AUGUST, 2017

TYPE TEST REPORT NO: T9733  
TEST REFERENCE NO: 16/531  
PAGE 1 of 5


MECHANICAL STRENGTH TYPE TEST

ON:

GALVANIZED STEEL SPLICE  
19/2.00mm SC/GZ CONDUCTOR

(PLP Aust. Part No. – GFS-100)

Testing Officer:  (Jose-elmer Simeon)

Approved by:  (Florian de Celis, Compliance Manager)

Date Approved: 04/09/2017

190 Power Street Glendenning NSW 2761 AUSTRALIA  
Phone: 8805 0000, INTL (612) 88050000  
Fax: 8805 0090, INTL (612) 88050090

THE QUALITY SYSTEM OF PLP AUSTRALIA HAS BEEN CERTIFIED TO  
AS/NZS ISO9001:2015 BY GLOBAL MARK REGISTER QUALITY ASSURANCE

Fittings and Accessories for Power and Communication.  
Engineered Plastics and Extrusions.  
Data Communication Products.