

-  COMMUNICATIONS
-  **ENERGY**
-  SPECIAL INDUSTRIES
-  SOLAR



**TRANSMISSION**



## Company Capabilities, Accreditations & Services

Preformed Line Products (PLP) has been supplying product to Australian power utilities for almost 50 years. Many of the original products are still to be found in the transmission network today, highlighting the exceptionally high quality standards that are expected and supplied.

PLP HV and EHV Transmission products are specifically designed to meet and exceed the requirements of the relevant Australian Standards or to specific customer requirements as required. PLP Australia remains a market leader in full package supply to the HV and EHV Transmission industry in Australia.

### TECHNICAL SUPPORT

Preformed Line Products Australia have been market leaders and well respected in the fields of electrical and mechanical engineering for many years, working together to meet the challenging demands of the overhead power industry.

Product design, research and development both locally and with the International Support of PLP's network of 17 sites around the globe ensure PLP offer the best solution for any installation.

### SALES AND MARKETING

A dedicated team focused on exceeding customer expectations and ensuring service and support at the highest level.

With Territory Managers located throughout Australia supported by a centralised Internal Sales and Projects and Tenders Team, PLP are available to assist with your product selection, quoting and ordering needs.

### MANUFACTURING CAPABILITIES

- 12000M<sup>2</sup> factory located at Glendenning, NSW
- Sheet metal fabrication
- Ultra high speed laser cutting
- Aluminium die-casting
- Steel forging, wire forming
- Aluminium stainless steel welding
- Powder coating
- Tool design and manufacturing
- General assembly

### TESTING CAPABILITIES

- Mechanical and electrical type test to Australian and IEC Standards
- NATA Accredited (Mechanical & Electrical)
- AS/NZS ISO 9001 - 2016



Glendenning Office, Sydney



Testing



Aluminium and Stainless Steel Welding



High Speed Laser Cutting



CNC Machining



Dispatch Area

# Products Overview



## TERMINATION

Preformed Line Products manufacture a range of Compression Dead-ends for AAC, AAAC, AAAC/1120, ACSR, TACSR/AC based phase conductors, SC/AC and SC/GZ earth wires. Dead-ends are available with eye or tongue configurations, in conjunction with in-line or transverse palms to suit any jumper orientation. Engineered to hold 100% conductor UTS.



## PROTECTION

Preformed Line Products manufactures grading rings to suit EHV transmission lines for both suspension and tension configurations. Typical designs are shown on left hand side image to demonstrate PLP' ability to manufacture to customer requirements, to suited your string configuration.



## SUSPENSION & SUPPORT

FIBERLIGN® Suspension provides superior cable and fibre protection at the support point. It combines of structural reinforcing rods, outer rods, 'boltless' housing and resilient inserts to reduce compression, clamping, and bending stresses on cable. Negative effects of wind-induced cable motion, such as aeolian vibration, galloping, and wind sway are also minimised. Available in left-hand or right-hand lay style to suit different applications.



## HARDWARE & ACCESSORIES

Preformed Line Products design and manufacture an extensive range of hardware and accessories to suit any application. Such as ball clevis, clevis thimbles, shackles, extension links, turnbuckles, u-bolt stay tensioner, yoke plates etc.



## SPACER SYSTEM

Cushion-Grip® Spacer Dampers feature elastomer damping elements engineered to absorb maximum energy and protect valuable line hardware. The design provides utmost resistance to conductor fatigue and eliminates the need for additional Stockbridge type dampers. Available for Twin, Tri, Quad and Hex bundle configurations.



## CABLES & OPGW

Preformed Line Products stocks and distributes a range of overhead bare and OPGW cables. This includes AAC, AAAC, ACSR, central tube OPGW, aluminium tube OPGW, stainless steel tube OPGW,



## INSULATORS

Preformed Line Products insulators are designed to meet dimensional, electrical and mechanical requirements of the Australian and IEC standards. Minimum life of 20 years, in all types of natural conditions, such as industrial pollution, saltspray fog, rain, external heat and cold. PLP insulators are provided in porcelain and polymer design, voltage ranges varying from 11kV – 500kV in both designs. PLP also cater for LV/MV range insulators. Munsell Grey is the standard color.



## OPGW FITTING & CLOSURES

FIBERLIGN® Dead-end is designed to terminate Optical Ground Wire (OPGW) while minimising any compression stresses that may be transferred to the core or optical elements within. It combines of retaining rods, wedge and housing, distribute axial and compressive loading over a large area of the OPGW cable. Available in left-hand or right-hand lay style is provided to suit different applications. The slotted housing design allows for the application of the FIBERLIGN® Dead-end at any location on the OPGW.



## JOINTING

Preformed Line Products compression splice designed and manufactured to meet Australian Standards, each fitting is stamped according to conductor stranding size and the recommended compression dies A/F size. Single piece fittings for AAC and AAAC conductors.

**Contact Preformed Line Products for Specific Requirements.  
Ask for a copy of our product full range catalogue  
or visit [www.preformed.com.au](http://www.preformed.com.au)**

# TRANSMISSION



**PREFORMED**  
LINE PRODUCTS

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The Connection You Can Count On