Insulators

PLP Insulators

For Power Transmission and Distribution Networks

- Porcelain & Polymeric Insulators
- Commitment to Quality
- State-of-the-art Manufacturing and In-House Testing Facilities
- IEC & Australian Standards
- Batch Tested as per Australian Standards
- Long Life & Reliable Performance

Preformed Line Products (Australia) Pty Ltd (PLP) is Australia's leading manufacturer and supplier of cable line hardware for aerial power and communications networks. Preformed Line Products products have benchmarked industry standards in technology and quality, to deliver highly dependable products, making PLP one of the most trusted names in the industry.

In a world where efficiency powers bottom lines, reliability becomes the key driver for productivity and performance, and consistent reliability can be achieved only through a focused approach and proficient implementation of world class practices. Insulators supplied by PLP are designed to meet dimensional, electrical and mechanical requirements of the Australian and IEC standards. The market demands that insulators supplied have a minimum life of 20 years, in all types of natural conditions, such as industrial pollution, salt-spray fog, rain, external heat and cold.

PLP's focus is to provide Porcelain and Polymer insulators for electrical transmission, distribution, sub-station and all other applications. Tested in world class laboratory facilities to Australian and IEC Standards, PLP supply voltage ranges varying from 11kV – 500kV in both Porcelain and Polymeric designs. PLP also cater for LV/MV range insulators. Munsell Grey is the color of choice unless a special glaze requirement is requested.

Insulators

Disc Insulators

Porcelain

Features:

- Manufactured and supplied by Aditya Birla Insulators,India
- ABI- Third largest manufacturer of Insulators in the world
- World class quality Standards
- State-of-the-art manufacturing and In-House test facilities
- Manufactured from non-porous electrical porcelain
- Sacrificial "Zn" collar standard on all pins
- Insulators tested at CPRI, a NABL accredited testing facility (NATA equivalent)
- Batch tested to Australian Standards

Part Number	Fixing	Security Clip	Spacing (mm)	Creepage Distance	Electro Mechanical Strength (kN)
I-U70B-PWZ	Ball & Socket	W	146	320	70
I-U70C-PZ	Tounge & Clevis		146	320	70
I-U160BS-PRZ	Ball & Socket	R	146	320	160

Note:

- Dimensional and performance characteristics in accordance with IEC and Australian standards
- Higher rated units can be supplied upon request

Disc Insulators

Glass

Part Number	Fixing	Security Clip	Spacing (mm)	Creepage Distance	Electro Mechanical Strength (kN)
I-U70B-GWZ*	Ball & Socket	R	146	320	70
I-U120B-GWZ*	Ball & Socket	R	146	320	120
I-U160B-GWZ*	Ball & Socket	R	146	400	160

* Non stocked item

Insulators

Station Post Insulators

Porcelain

Features:

- ABI- Third largest manufacturer of Insulators in the world
- World class quality Standards
- State-of-the-art manufacturing and In-House test facilities
- Capability up to 800kV
- Type tested at NATA equivalent laboratories
- Batch tested to Australian Standards
- Stocked at PLP Australia

Part Number	Rated Volt. (kV)	BIL (kV)	Cantilever Strength (kN)	Polution Level	Crepage (mm)	Height
I-C6-650-4495C-1500H 127/127	132	750	6	4	4495	1500
I-C10-650-3625C-1500H 127/127	132	750	10	3	3625	1500
I-C12.5-650-3625C-1500H 127/254	132	650	12.5	3	3650	1500
I-C6-650-3730C-1473H 127/127	132	650	6	3	3733	1473
I-C8-350-II-76HT	66	350	8	2	1690	762
I-C10-325-1815C-770H 127/127	66	325	10	3	1820	770
I-C6-200-I-508HT	33	200	6	1	840	508
I-C4-200-1000C-400H 76/76	33	200	4	3	1000	400
I-C4-200-200-I-458HT	33	200	4	1	850	458
I-C10-200-II-458HT	33	200	10	2	950	458
I-C10-200-900C-475H 76/76	33	200	10	3	950	475
I-C8-225-810C-381H	36	170	3	3	810	381
I-C6-150-I-355HT	22	150	6	1	610	355
I-C4-150-500C-300H 76/76	22	150	4	3	500	300
I-C9-125-400C-254HT TR-205	11	110	10	3	400	255
I-C6-1050-7595C-2300H	220	1050	6	4	7595	2300

Notes:

- Dimensional and performance characteristics in accordance with IEC and Australian standards (AS 4395.1)
- Details of Station Posts not mentioned above can be provided upon request

Insulators

Polymeric Insulators

Long Rod & Line Post Type

Features:

- Wide product range
- Substation, Traction, Line Post and Transmission Insulators
- Insulators manufactured and tested per IEC and Australian Standards
- Tested at NATA equivalent testing facilites

Part Number	Rated Voltage (kV)	Min Creepage Distance (mm)	SML (kV)	Critical Impulse Voltage (kV)	Length (mm)	End Fittings
I-CS70-15-CT-H	15	425	70	155	330+-15	Clevis-Tounge
I-CS70-25-CT-H	25	645	70	220	430+-20	Clevis-Tounge
I-CS70-35-CT-H	35	859	70	275	525+-25	Clevis-Tounge
I-CS70-36-BS	36	1180	70	275	610+-10	Ball-Socket
I-CS70-36-CT-H	36	1180	70	275	635+-10	Clevis-Tounge
I-CS120-36-BS	36	1180	120	275	640+-10	Ball-Socket
I-CS120-36-CT-H	36	1180	120	275	655+-10	Clevis-Tounge
I-CS70-36-BS	36	1180	70	410	640	Ball-Socket
I-CS70-36-CT-H	36	1180	70	410	640	Clevis-Tongue
I-CS120-36-BS	36	1180	120	410	640	Ball-Socket
I-CS120-36-CT-H	36	1180	120	410	640	Clevis-Tongue
I-LPO-36-TT-1140C	36	1140	12.5	210	480	Tie-Top
I-CS140-69-SB*	69	1790	140	395	750+-5	Clevis-Tounge
I-CS120-135-SB*	135	3520	120	735	1329	Clevis-Tounge

* Non stocked item

Notes:

- Dimensional and performance characteristics in accordance with IEC and Australian standards
- Other voltages and SML's available on request