



# The connection you can count on

AUSTRALIA



DISTRIBUTION

COMMUNICATION

TRANSMISSION

SUBSTATION

PLP SERVICES

RACKTECH

Market Segment	Product Subset	Product Type	Comments	
DISTRIBUTION Overhead Line Hardware	Distribution Hardware and Fittings	Terminations and Dead Ends	To suit all Australian conductors.	
		Suspension and Support		
		Jointing		
		Protection and Vibration Control		
		Hardware and Accessories		
Crossarms	Composite Crossarms	To suit all Australian applications.		
	Wildlife Protection	Avian and Animal Deterrents	To suit all Australian applications.	
DISTRIBUTION Insulated Systems	LV ABC	Insulation Piercing Connectors	To suit all Australian cables.	
		Fused Switch Disconnectors		
		Pre-insulated Lugs and Sleeves		
		Suspension and Strain Clamps		
		Mid Span Joints		
	HV ABC	Suspension and Strain Clamps	To suit all Australian cables.	
		Stringing Rollers		
		Stain Clamps and Covers	To suit all Australian covered conductors – Thick (CCT).	
	Compression Joints and Covers			
	Stripping Tools			
	Coveredlign (Open Wire Systems)	Insulators	To suit all medium voltage covered conductors.	
		Terminations and Dead Ends		
		Suspension and Support		
		Jointing		
		Hardware and Accessories		
Compactlign (Spacer Systems)	Spacer Brackets	To suit all medium voltage covered conductors.		
	Terminations and Dead Ends			
	Suspension and Support			
	Jointing			
	Hardware and Accessories			
DISTRIBUTION Earthing	Distribution Earthing	Earth Rods	Copper plated (Cu), Stainless Steel (SS) and Graphite Rods (GR).	
		Connectors	To suit the full range of Cu, SS and GR connectors.	
		Compounds	Earth 50/50 and Earthrite.	
		Exothermic Welding	Complete range of moulds and cartridges for all applications.	
		Inspection Pits	UV plastic, aluminium and polycrete.	
DISTRIBUTION Insulators	Distribution	Polymeric	Long rod and line post.	
		Porcelain	Disc, LV/MV and line post.	
		Glass	Disc.	
DISTRIBUTION Switchgear	Outdoor Switchgear	Air Insulated Switchgear	Top Pole, Mid Pole, 3Ph and 1Ph.	
		Load Break	Top Pole, Mid Pole, 3Ph and vacuum type.	
		Vertical Rocker	Top Pole, Mid Pole, 3Ph and air insulated.	
DISTRIBUTION Protection and Control	Distribution Protection	MV Link	1Ph Inline and underhung options.	
		Reclosers	Top Pole, Mid Pole, 3Ph and vacuum type.	
		Relays	Automation of vacuum reclosers.	
		Surge Arresters	LV to 36kV Polymeric range.	
		Sectionalizers	Top Pole, Mid Pole, 3Ph and vacuum type.	
		Neutral Earth Resistor (NER)	Complete range of indoor and outdoor NER solutions.	
		Power Fuses	For outdoor distribution, 4.16kV to 34.5kV.	
DISTRIBUTION Underground Systems	Pillars and Bases	Polyethylene	Range of pillars.	
		Fibreglass	Range of pillars.	
		Concrete	Base.	
		Panels, Busbars and Wedge Links	Set configuration or customised network design, plug and play modular system.	
		Tools and Accessories	Spanners, locks and hardware.	
	Pits and Lids	Polyethylene	Range of pits.	
		Polycrete	Range of pits.	
		Steel, Concrete and Plastic	Range of lids.	
		Kit Connections	Submersible connectors with customised kits.	
	Cable Management	Cable Cleats	Tools and Accessories	Spanners, locks and hardware.
			Full range of single and tri-foil configurations.	
			Connectors	Complete range of AL/CU and bimetal lugs and links.
MV Link Boxes	Link Box	Direct earth and cross bonding options.		
	Signage and Labelling	Everlast Signs and Asset Markers	Large range available for marking network assets. UL laboratory tested for 40 years without fading.	
TRANSMISSION Overhead Line Hardware	Transmission Hardware and Fittings	Terminations and Dead Ends	To suit all Australian conductors.	
		Suspension and Support		
		Jointing		
		Protection and Vibration Control		
		Spacer Systems		
TRANSMISSION Insulators	Transmission	Polymeric	Long rod and line post.	
		Porcelain	Disc.	
		Glass	Disc.	
TRANSMISSION Conductors	Transmission	Phase Conductors	AAC, AAAC and ACSR/GZ.	
		Overhead Earth Wire (OHEW)	SC/GZ and SC/AC.	
		Optical Ground Wire (OPGW)	OPGW.	

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SUBSTATION Busbar and Fittings	Buslign (Rigid)	Connections	Bolted and welded.	
		Supports	Fixed, roller and expansion.	
		Joint Sleeves	Bolted and welded.	
		End Caps, Palms and Flags	Fabricated and cast.	
		Connections	Bolted and compression.	
	Sublign (Strung)	Terminations and Lugs	Aluminium, copper and bimetal.	
		Spacers and Supports	Single, twin, triple and quad.	
		Grading Rings	Tension, suspension and busbar.	
		Jointing Compound	Alminox and Alvania.	
		Cable Clamps	Single, triple and blocks.	
SUBSTATION Protection and Accessories	Earth Mats	Galvanised steel.		
	Earth Stubs	Brass.		
	SUBSTATION Insulators	Station Post	Porcelain and polymeric.	
		SUBSTATION Switchgear	Disconnectors	Double Break – 3Ph, 1Ph, AC and air insulated.
			Associated Earth Switch	Single Motion – 3Ph, 1Ph, AC and air insulated.
Independent Earth Switch			Single Motion – 3Ph, 1Ph, AC and air insulated.	
Disconnectors and Earth Switch Operator			Manual handle, manual worm gear and motorised.	
Indoor Switchgear	Reclosers		3Ph vacuum type.	
SUBSTATION Protection and Control	Substation Protection	Surge Arresters	Polymeric.	
		Relays	Automation of auto-reclosers.	
		Neutral Earthing Resistor (NER)	Complete range of indoor and outdoor NER solutions.	
TELECOM Products	Fibre Networks	Fibre Optic Splice Closures	ADSS, OPGW and underground.	
	Aerial Line Hardware	Wall, Pole and Tower Mounted Terminations	Indoor, outdoor and pedestal.	
PLP SERVICES	Asset Inspection Services	Suspension, Vibration Control, Termination Fittings, Storage and Protection	ADSS, OPGW and Figure 8.	
		Visual Inspections	Distribution and transmission lines.	
		Additional Inspections	Substation, solar power array, storm damage assessment, lidar surveys, thermal scan and custom projects.	
	Engineering	Analysis Services	Comprehensive data analysis and detailed reporting.	
		Mechanical Tests	Tensile and Compression testing.	
		Application Oriented Endurance Tests	Fatigue testing of transmission line in-span conductor spacers.	
		Galvanising Measurement	Magnetic method, Strip and Weigh method.	
		Thermal Shock	Temperature test on porcelain insulators.	
		Thermal Endurance	Prolonged elevated temperature test on Spiral Vibration Dampers.	
		Vibration Analysis	Test spans equipped to measure vibration damper performance on 2 x 30.5m span lengths. Vibration analysis measuring damper mechanical impedance and damper efficiency. Damper fatigue.	
		Ultrasonic Tests	Ultrasonic flaw.	
		Material Structure Analysis	Microscope.	
		Hardness Tests	Brinell at 7.35, 4.9, 9.8 and 29.4kN. Rockwell testing using B and C scales. Vickers, Shore and Barcol.	
		Porosity Tests	Integrity testing of porcelain insulators.	
		Electrical Testing	60 channel data acquisition unit for 4 cyclic heat cycles max. 2.5kA. Static tensions up to 150kN. Constant tension up to 30kN. Micro Ohm measurement of material conductivity.	
Dimensional Tests	Profile projector, vernier calipers, digital and analogue height indicators, micrometers, MEL lasers, go and no-go gauges.			
Environmental Electrical Tests	Programmable environmental chamber -40°C to 100°C. Tensions up to 100kN and up to 6kV.			
Cyclic Thermal Test	Heat cycle of conductors with data logger capability to 240°C.			
RACKTECH Cable Enclosures	WR Series	Wall Cabinet Range	Racktech are specialists in designing, manufacturing, and supplying customised cabinets, racks, frames, and accessories. Racktech supply products for the data communication, electrical, and security industries. Racktech products meet the requirements of IEC 60297 and EIA-310. Racktech delivers throughout the Asia-Pacific region.	
	RTX Series	Pre-configured Range		
	RT2 Series	Configurable Range		
	iQ Series	Premium Range		
	iQ Open Frame	Vertical Cable Management		
	Class C and Class B Series	SCEC Endorsed Cabinets		
	IP Series	External Installations		
Custom Cabinets	Custom Designed Cabinets			
PDU's	Power Distribution Units			
Accessories	General 19" Rack Accessories			