

## BI-METAL 4 CORE SECTOR LUGS

Bi-Metal Sector Lugs can be used to terminate a solid Aluminium conductor. They are crimped with a 'V' shaped nest die and a WW in a 13 tonne tool. The Aluminium barrels are chemically treated to reduce contact resistance and reduce corrosion.

The barrels are filled with a jointing compound and capped. Three indent crimps are required, and the sequence of crimping starts at the line marked 1.

### COMPLIANCE AND SAFETY

- AS/NZS4325 Part 1; IEC France; DIN/VDE Germany; JIS Japan; BS United Kingdom
- Accepting Authorities: Energy Australia and many other recognised Authorities.

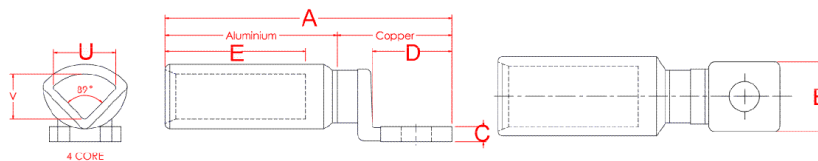


### TECHNICAL INFORMATION

	DESCRIPTION	
<b>Conductive Material</b>	Aluminium Sleeve 99.6% pure Copper Palm 99.95% pure Tensile Strength 110 MPa	Ductile Rating 28% Final Metal State Fully Annealed inc. joint Joining Method Friction Welding (IEC std)
<b>Operating Temperature</b>	-40°C to 100°C	
<b>Electrical Properties</b>	Resistivity 2.6 micro-ohm cm (max): aluminium, 1.738 micro-ohm cm: copper	Conductivity 61.8% IACS (min): Aluminium, 99.7% IACS: Copper

Torque Recommendations	
Thread dia.(mm)	Torque (Nm)
5	5
6	9
8	22
10	44
12	77
16	190

Recommended torques for hardware should be to Australian and New Zealand Standards



Part No.	Nominal Conductor (mm <sup>2</sup> )	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	U (mm)	V (mm)	Crimp Die Nest	Crimp Die Index	No. Crimps	Unit	Qty
<b>BLS120/4-12</b>	120	12	112	32	6	34	52	17.1	12.2	A14	A16	3	EA	1
<b>BLS185/4-12</b>	185	12	127	36	7	38	60	21.1	15.1	A15	A18	3	EA	1
<b>BLS240/4-12</b>	240	12	140	32	8	38	63	24	17.6	A15	A19	3	EA	1

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