

## BI-METAL 3 CORE SOLID SECTOR TO STRANDED COPPER

Bi-metal sector links are designed to link solid or standard sector aluminium cable to circular copper cable.

### FEATURES

- Manufactured using friction welding process producing a very strong electrically sound joint, which will not be subject to electrolysis
- Link solid/standard sector Al cable to circular Cu cable
- Crimp with V shaped nest die & 13 tonne or larger indenter tool



### COMPLIANCE AND SAFETY

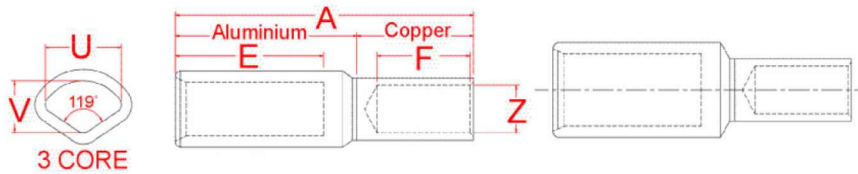
- AS/NZS4325 Part 1 Australia; IEC France; DIN/VDE Germany; JIS Japan; BS United Kingdom
- Accepting Authorities: Energy Australia, Integral Energy, Rail Services Australia, Western Power, Energex, North Power and many other recognised authorities

### TECHNICAL INFORMATION

	DESCRIPTION
<b>Conductive Material</b>	Aluminium sleeve 99.6% Copper palm 99.95% Tensile strength 110 MPa Ductile rating 28% Final metal state fully annealed including joint Joining method friction welding (IEC standard)
<b>Operating Temperature</b>	-40°C to 125°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
<b>Cable Sector Shape</b>	BS3988-1970

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.

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### SPECIFICATIONS AND ORDERING INFORMATION

Part No.	Al/Cu Nominal Conduc (mm <sup>2</sup> )	A (mm)	E (mm)	F (mm)	U (mm)	V (mm)	Z (mm)	Crimp Die Al Nest	Crimp Die Al Indent	Al No. Crimps	Copper Crimp Die	Copper A/F Hex Die	Copper No. Crimps	Unit	Qty
<b>BLKS70/3/16</b>	70/16	92	47	24	13.8	8.1	5.5	A12	A14	3	HT130-C-16	6.3	1	EA	1
<b>BLKS70/3/25</b>	70/25	92	47	24	13.8	8.1	7.5	A12	A14	3	HT130-C-25	7.7	1	EA	1
<b>BLKS70-3-50</b>	70/50	92	47	24	13.8	8.1	9.5	A12	A14	3	HT130-C-50	10.4	1	EA	1
<b>BLKS70/3/70</b>	70/70	92	47	24	13.8	8.1	11.5	A12	A14	3	HT130-C-70	11.5	1	EA	1
<b>BLKS95/3/70</b>	95/70	106	50	32	16.2	9.5	11.5	A12	A15	3	HT130-C-70	11.5	1	EA	1
<b>BLKS120/3/70</b>	120/70	106	52	32	18.1	10.6	11.5	A12	A16	3	HT130-C-70	11.5	1	EA	1
<b>BLKS120/3/95</b>	120/95	106	52	32	18.1	10.6	13.5	A12	A16	3	HT130-C-95	14.2	1	EA	1
<b>BLKS150/3/150</b>	150/150	121	56	40	20.1	11.8	16.5	A12	A17	3	HT130-C-150	18.3	1	EA	1
<b>BLKS185/3/185</b>	185/185	127	60	40	22.5	13.2	18.5	A12	A18	3	HT130-C-185	20	1	EA	1
<b>BLKS240/3/150</b>	240/150	132	63	40	25.8	15.2	16.5	A12	A19	3	HT130-C-150	18.3	1	EA	1
<b>BLKS240/3/185</b>	240/185	132	63	40	25.8	15.2	18.5	A12	A19	3	HT130-C-185	20	1	EA	1
<b>BLKS240/3/240</b>	240/240	132	63	40	25.8	15.2	21.5	A12	A19	3	HT130-C-240	23.1	2	EA	1

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