ALUMINIUM LINKS - BARRIER TYPE

For stranded sector and circular stranded aluminium conductor.

Aluminium links are manufactured from solid 99.6% pure electrical grade aluminium rod. The forging process during rod manufacture eliminates any imperfections in the metal structure. This improves the long-term electrical reliability, eliminating future hot joints. The links are a barrier type, mainly because this forces jointing compound back along the conductor strands during crimping, and also to act as a barrier link with oil filled cables etc. These links also have a unique 'funnel' entry, which means that stranded sector cable can be easily inserted into the barrel.

The barrels are chemically treated to reduce contact resistance, and they are filled with jointing compound and capped. Before crimping, the conductors should be scratch brushed. The links should be crimped with standard hexagonal dies, crimping from the centre outwards to force jointing compound into the conductors.

The standard metric range is available, however we can manufacture any special format or imperial link on request.

BARRIER TYPE FEATURES

- Manufactured from solid 99.6% pure electrical grade aluminium rod
- Forging process during rod manufacture eliminates any imperfections in the metal structure
- Unique 'Funnel Entry' design

COMPLIANCE AND SAFETY

- AS/NZS4325 Part 1; IEC France; DIN/VDE Germany; JIS Japan; BS United Kingdom; UL/NEMA USA
- Accepting Authorities: Energy Australia, Integral Energy, Energex and many other recognised Authorities

TECHNICAL INFORMATION

	DESCRIPTION
Conductive Material	Aluminium 99.6% pure Tensile Strength 110 MPa Ductile Strength 28% Final Metal State Fully Annealed
Electrical Properties	Resistivity 2.6 micro-ohm cm (max) Conductivity 61.8% IACS (min)
Operating Temperature	-20°C to 140°C

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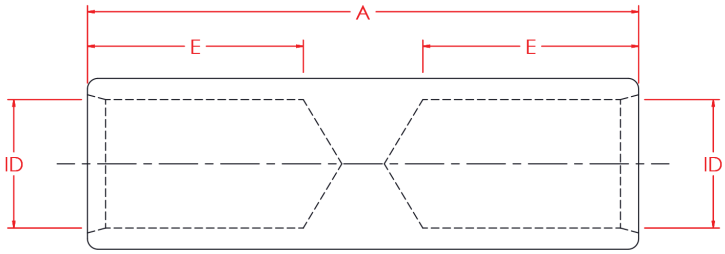

SPECIFICATIONS AND ORDERING INFORMATION

Part No.	Nominal Conductor (mm^2)	ID Size (mm)	A (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
ALK6	6	3.5	70	32	9	1	HT-6/35AL	EA	1
ALK10	10	4.5	70	32	9	1	HT-6/35AL	EA	1
ALK16	16	5.5	70	32	9	1	HT-6/35AL	EA	1
ALK25	25	7.5	70	32	9	1	HT-6/35AL	EA	1
ALK35	35	8.5	70	32	9	1	HT-6/35AL	EA	1
ALK50	50	9.5	70	32	13.2	1	HT-50/70AL	EA	1
ALK70	70	11.3	70	32	13.2	1	HT-50/70AL	EA	1
ALK95	95	13.5	125	60	17.3	2	HT-95/120AL	EA	1
ALK120	120	15.5	125	60	17.3	2	HT-95/120AL	EA	1
ALK150	150	16.5	125	60	22	2	HT-150/185AL	EA	1
ALK185	185	18.5	125	60	22	2	HT-150/185AL	EA	1
ALK240	240	22	125	60	28.4	2	HT-240/300AL	EA	1
ALK300	300	23.5	125	60	28.4	2	HT-240/300AL	EA	1
ALK400	400	26.5	145	70	39	2	ECW-3D4/500AL	EA	1
ALK500	500	30	145	70	39	2	ECW-3D4/500AL	EA	1
ALK630	630	34	145	70	43.2	2	RHU520-800	EA	1
ALK800	800	39	235	115	43.2	4	RHU520-800	EA	1