

ALUMINIUM CRIMP LUGS

For stranded sector and circular stranded Aluminium conductor.

CABAC Aluminium Lugs are manufactured by a forging process from solid 99.6% pure electrical grade Aluminium rod. This eliminates any imperfections in the metal structure which are often found in cast Aluminium lugs. The long-term electrical reliability is improved, eliminating future hot joints. Featuring a unique 'funnel' entry, stranded sector cable can be easily inserted into the barrel, and most importantly the lug palm can be orientated in any direction.

The barrel is chemically treated to reduce contact resistance, and is filled with jointing compound and capped. Before crimping, the conductors should be scratch brushed.

The lugs should be crimped with standard hexagonal dies, crimping from the palm outwards to force jointing compound into the conductors.



COMPLIANCE AND SAFETY

- AS/NZS4325.1 & RoHs
- Accepting Authorities: Ausgrid, Endeavour Energy, Essential Energy, Energy QLD and many other recognised Authorities

TECHNICAL INFORMATION

Conductive Material	Aluminium 99.6% pure Tensile Strength 110 MPa Ductile Rating 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

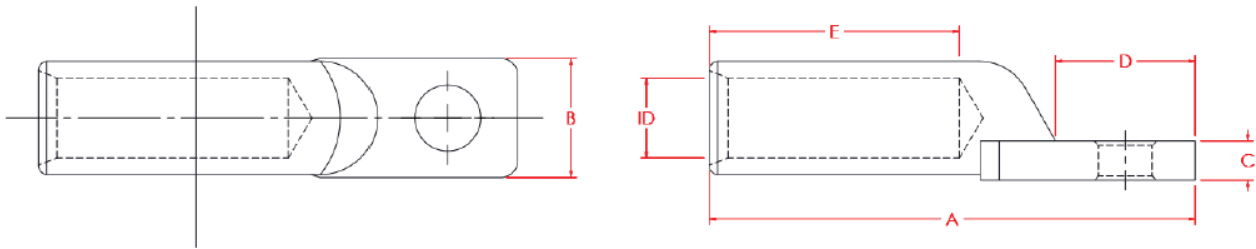
TORQUE RECOMMENDATIONS

Thread dia.(mm)	Torque (Nm)
5	4
6	7
8	18
10	36
12	55
16	150

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

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SPECIFICATIONS AND ORDERING INFORMATION

Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
AL16	16	7/1.70	5.5	-	70	18	5	22	32	9	1	HT-6/35AL	EA	1
AL25	25	19/1.35	7.5	-	70	22	5	22	32	9	1	HT-6/35AL	EA	1
AL35-10	35	19/1.53	8.5	10	70	22	5	22	32	9	1	HT-6/35AL	EA	1
AL35-12	35	19/1.53	8.5	12	70	22	5	22	32	9	1	HT-6/35AL	EA	1
AL50-10	50	19/1.78	9.5	10	75	26	8	28	32	13.2	1	HT-50/70AL	EA	1
AL50-12	50	19/1.78	9.5	12	75	26	8	28	32	13.2	1	HT-50/70AL	EA	1
AL70-10	70	19/2.14	11.5	10	75	26	8	28	32	13.2	1	HT-50/70AL	EA	1
AL70-12	70	19/2.14	11.5	12	75	26	8	28	32	13.2	1	HT-50/70AL	EA	1
AL95-10	95	37/1.78	13.5	10	105	30	10	30	55	17.3	2	HT-95/120AL	EA	1
AL95-12	95	37/1.78	13.5	12	105	30	10	30	55	17.3	2	HT-95/120AL	EA	1
AL120-10	120	37/2.03	15.5	10	105	30	10	30	55	17.3	2	HT-95/120AL	EA	1
AL120-12	120	37/2.03	15.5	12	105	30	10	30	55	17.3	2	HT-95/120AL	EA	1
AL150-10	150	37/2.25	16.5	10	105	36	11	36	46.5	22	2	HT-150/185AL	EA	1
AL150-12	150	37/2.25	16.5	12	105	36	11	36	46.5	22	2	HT-150/185AL	EA	1
AL150-16	150	37/2.25	16.5	16	105	36	11	36	46.5	22	2	HT-150/185AL	EA	1
AL185-12	185	37/2.52	18.5	12	105	36	11	36	46.5	22	2	HT-150/185AL	EA	1
AL240-12	240	61/2.25	22	12	120	37	12	40	46.5	28.4	2	HT-240/300AL	EA	1
AL300-12	300	61/2.52	23.5	12	120	37	12	50	46.5	28.4	2	HT-240/300AL	EA	1
AL400	400	61/2.85	26.5	-	160	54	15	54	70	39	2	ECW-3D4/500AL	EA	1
AL500	500	61/3.20	30	-	160	54	15	54	70	39	2	ECW-3D4/500AL	EA	1
AL630	630	127/2.52	34	-	160	60	15	60	70	43.2	2	RHU520-800	EA	1
AL630-10	630	127/2.52	34	10	160	60	15	60	70	43.2	2	RHU520-800	EA	1
AL630-12	630	127/2.52	34	12	160	60	15	60	70	43.2	2	RHU520-800	EA	1
AL800	800	127/2.85	39	-	230	70	20	80	115	43.2	4	RHU520-800	EA	1
AL1000	1000	127/3.20	44	-	260	90	20	100	115	52.5	4	RHU520-1000AL	EA	1

Any stud hole can be punched into lug palm on request.

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