

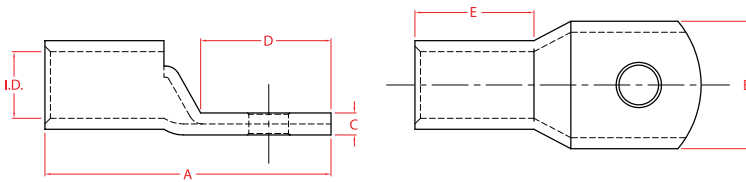
Copper Crimp Lugs

Standard Range

CABAC's Lugs are made from 99.9%+ cu high conductivity annealed copper which gives the best electrical properties possible. They are capable of withstanding a continuous operating temperature of 155°C, which is well above the temperature properties of most lugs. The lugs comply with AS4325.1 and test reports are available on request.

The lugs have a viewing window to check conductor location from 1.5mm² to 185mm². From 240mm² up the lugs have no window, because they are generally used outdoors.

They should be crimped with standard Australian tooling. See the tool and die selection chart Section C of this catalogue.



Catalogue No.	Nominal Conductor (mm ²)	Stranding No./Dia.	ID Size	Dimensions (mm)						Qty Per Box	Tooling		A/F Hex Die (mm)	No. of Crimps					
				Stud	A	B	C	D	E		Indent	Hex							
CAL1.5-5	1.0-1.5	7/0.50	1.8	5	18	8	1.0	9	7	100	K10/3	K25, K26, K27	K28		1				
CAL1.5-6				6	20	10	0.8	11											
CAL2.5-4	2.5	7/0.67	2.4	4	18	8	1.0	9	7	100	K10/3	K25, K26, K27	K28		1				
CAL2.5-5				5	20	10	0.8	11											
CAL2.5-6				6	20	10	0.8	11											
CAL2.5-8				8	24	11	0.7	15											
CAL4-5	4	7/0.85	3.1	5	22	10	1.0	11	9	100	HN1, HN2	K25, K26, K27	K28		1				
CAL4-6				6	22	10	1.0	11											
CAL4-8				8	26	12	0.8	15											
CAL6-5	6	7/1.04	3.8	5	23	10	1.2	11	9	100	K10/3	K25, K26, K27	K28		4.4				
CAL6-6				6	27	12	1.0	15											
CAL6-8				8	27	12	1.0	15											
CAL6-10				10	32	16	0.8	20											
CAL10-5	10	7/1.35	4.7	5	27	12	1.8	14	10	100	K9	K25, K26, K27	K28		5.7				
CAL10-6				6	27	12	1.8	14											
CAL10-8				8	29	14	1.5	16											
CAL10-10				10	32	16	1.3	19											
CAL10-12				12	37	18	1.2	23											
CAL16-6	16	7/1.70	5.5	6	37	11	2.3	14	19	50	K9	K25, K26, K27	K28	K05	K06, K06C, B035	HT131-C, HT131LN-C, HT131-UC, RHCI31, RHU131-C, B131-C, B131LN-C, B135-C	ECW-H3D (to 630mm ²), RHU520	6.3	1
CAL16-8				8	39	14	1.7	16											
CAL16-10				10	41	16	1.5	18											
CAL16-12				12	46	18	2.4	23											
CAL25-6	25	19/1.35	7.1	6	41	14	2.4	16	21	50	K9	K25, K26, K27	K28	K05	K06, K06C, B035	HT131-C, HT131LN-C, HT131-UC, RHCI31, RHU131-C, B131-C, B131LN-C, B135-C	ECW-H3D (to 630mm ²), RHU520	7.7	1
CAL25-8				8	41	14	2.4	16											
CAL25-10				10	44	16	2.0	19											
CAL25-12				12	48	18	1.6	23											
CAL35-6	35	19/1.53	8.2	6	44	16	3.0	18	21	50	K9	K25, K26, K27	K28	K05	K06, K06C, B035	HT131-C, HT131LN-C, HT131-UC, RHCI31, RHU131-C, B131-C, B131LN-C, B135-C	ECW-H3D (to 630mm ²), RHU520	9.2	1
CAL35-8				8	44	16	3.0	18											
CAL35-10				10	46	18	2.6	20											
CAL35-12				12	50	20	2.3	24											
CAL50-6	50	19/1.78	9.5	6	48	18	3.2	20	22	50	K9	K25, K26, K27	K28	K05	K06, K06C, B035	HT131-C, HT131LN-C, HT131-UC, RHCI31, RHU131-C, B131-C, B131LN-C, B135-C	ECW-H3D (to 630mm ²), RHU520	10.4	1
CAL50-8				8	48	18	3.2	20											
CAL50-10				10	48	18	3.2	20											
CAL50-12				12	52	21	2.7	24											

Copper Crimp Lugs

Standard Range															
Catalogue No.	Nominal Conductor (mm ²)	Stranding No./Dia.	ID Size	Dimensions (mm)						Qty Per Box	Tooling			A/F Hex Die (mm)	No. of Crimps
				Stud	A	B	C	D	E		Indent	Hex	Hex		
CAL70-6	70	19/2.14	11.2	6	54	21	3.3	24	24	25	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	11.5	1
CAL70-8				8	54	21	3.3	24							
CAL70-10				10	54	21	3.3	24							
CAL70-12				12	54	21	3.3	24							
CAL70-16				16	64	28	2.4	34							
CAL95-8	95	37/1.78	13.4	8	60	25	3.9	26	27	25	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	14.2	1
CAL95-10				10	60	25	3.9	26							
CAL95-12				12	60	25	3.9	26							
CAL95-16				16	64	28	3.4	30							
CAL120	120	37/2.03	15.6	-	64	29	5.0	26	30	25	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	16.5	1
CAL120-8				8	64	29	5.0	26							
CAL120-10				10	64	29	5.0	26							
CAL120-12				12	64	29	5.0	26							
CAL120-16				16	68	29	5.0	30							
CAL120-20	20	81	34	5.2	42										
CAL150	150	37/2.25	16.7	-	71	32	5.5	32	30	20	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	18.3	1
CAL150-10				10	71	32	5.5	32							
CAL150-12				12	80	32	5.5	41							
CAL150-16				16	80	32	5.5	41							
CAL185-10	185	37/2.52	18.4	10	74	35	5.7	32	32	20	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	20.0	1
CAL185-12				12	83	35	5.7	41							
CAL185-16				16	83	35	5.7	41							
CAL185-20				20	84	38	5.0	42							
CAL240	240	61/2.25	21.2	10	92	40	7.1	42	38	1	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	23.1	3
CAL240-10				10	92	40	7.1	42							
CAL240-12				12	92	40	7.1	42							
CAL300	300	61/2.52	23.5	10	101	45	7.8	46	42	1	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	26.0	3
CAL300-10				10	101	45	7.8	46							
CAL300-12				12	101	45	7.8	46							
CAL400	400	61/2.85	26.8	12	114	50	7.7	52	44	1	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	28.1	3
CAL400-12				12	114	50	7.7	52							
CAL500	500	61/3.20	30.0	12	124	56	8.5	56	48	1	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	31.0	3
CAL500-12				12	124	56	8.5	56							
CAL630	630	127/2.52	34.0	134	65	10.9	56	56	1	1	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	37.0	4
CAL800	800	127/2.85	39.3	275	76	14	125	105	1	1	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	43.2	4
CAL1000	1000	127/3.20	44	295	85	16	125	110	1	1	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	48.0	4
CAL1200	1200		44.5	295	85	15.5	125	110	1	1	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	48.0	4
CAL1600	1600		49.5	385	95.3	17.5	160	155	1	1	K9	K06, B035	HT131-C, HT131-U-C, HT131-LN-C, RH131-C, B131-C, B135-C, B131-LN-C, CVO-5108	58.5	4

Technical Data

Conductive Material

Copper	99.95% pure
Oxygen Content	30 ppm max
Tensile Strength	200 MPa
Ductile Rating	40%
Final Metal State	Fully Annealed

Operating Temperature

-55°C to 155°C due to oxygen-free copper

Electroplating Material

Tin	99.9% pure
Other Metals	Lead + Antimony
Thickness	5-10 microns

General Electrical Properties

Total Conductivity	99.7% IACS
Total Resistivity	1.738 micro-ohm cm

Conformant Standards

AS/NZS4325 Part 1
IEC France
DIN/VDE Germany
JIS Japan
BS United Kingdom & UL/NEMA USA

Dimensional Specification

Tooling is interchangeable between CABAC, Utilux and Burndy.

Torque Recommendations

For hardware being metric 8.8 tensile grade

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

Accepting Authorities

Electricity Services Victoria, Energy Australia
Rail Services Australia, Energex, Western
Power, Ergon, Integral Energy, Country
Energy, Powercor and many other recognised
Authorities.