

Circuit Breaker Lugs

Narrow Palms

CABAC's Circuit Breaker Lugs are specially made for terminating large cables to circuit breakers. Since flashover distances have reduced, the connecting tunnel in breakers has become narrower, and fitting lugs in 150 to 250A breakers has become a problem because the palms of conventional lugs are too wide.

These lugs have the same barrel dimensions as our standard range, so normal crimping rules apply, using the correct die for the cable size.

Since many switchboard builders are using flexible cables, these lugs have the unique CABAC bell mouth, which makes insertion of fine stranded conductors into the lugs much easier. Please see the crimping rules for flexible conductors on page B7.

These lugs are made from 99.9%+ cu high conductivity copper which gives the best electrical properties possible.

If a lug is not listed for your application please contact CABAC sales, as we are continually adding to the range.



Catalogue No.	Nominal Conductor (mm ²)	I.D.	Stud	Dimensions (mm)					Crimp Die	Tooling	A/F Hex Die (mm)	No. of Crimps	Qty per Box
A	B	C	D	E									
CALCB35-6	35	8.2	6	41	15	3	15	21	HT130-C-35	Same as Copper Crimp Lugs - Standard Range	9.2	1	50
CALCB50-6	50	9.5	6	43	15	3.2	15	22	HT130-C-50		10.4	1	50
CALCB50-10	50	9.5	10	49	19	3.2	21	22	HT130-C-50		10.4	1	50
CALCB70-6	70	11.2	6	45	17	3.3	15	24	HT130-C-70		11.5	1	25
CALCB70-10	70	11.2	10	51	19	3.3	21	24	HT130-C-70		11.5	1	25
CALCB95-8	95	13.4	8	51	19	3.9	17	27	HT130-C-95		14.2	1	25
CALCB95-10	95	13.4	10	55	19	3.9	21	27	HT130-C-95		14.2	1	25
CALCB120-8	120	15.6	8	61	19	5	23	30	HT130-C-120		16.5	1	25
CALCB120-10	120	15.6	10	61	19	5	23	30	HT130-C-120		16.5	1	25
CALCB150-8	150	16.7	8	66	19	5.5	27	30	HT130-C-150		18.3	1	25
CALCB150-10	150	16.7	10	66	19	5.5	27	30	HT130-C-150		18.3	1	20
CALCB185-10	185	18.4	10	74	24.5	5.7	32	32	HT130-C-185		20.0	1	20
CALCB240-10	240	21.2	10	82	31	7.1	32	38	HT130-C-240	23.1	3	1	
CALCB240-12	240	21.2	12	82	31	7.1	32	38	HT130-C-240	23.1	3	1	
CALCB300-10	300	23.5	10	87	31	7.8	32	42	HT130-C-300	26.0	3	1	
CALCB300-12	300	23.5	12	87	31	7.8	32	42	HT130-C-300	26.0	3	1	

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

AS4325 Part 1 Australia; 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 - and many other recognised Authorities.

