

LONG PALM LONG BARREL COPPER LUGS

Long Palm Long Barrel Lugs are designed for totally air-tight cable applications. The barrels are internally silver soldered at the palm junction and **the inspection window is not present**.

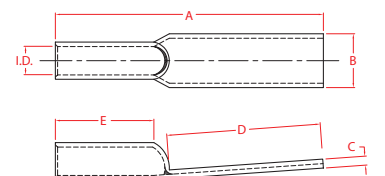
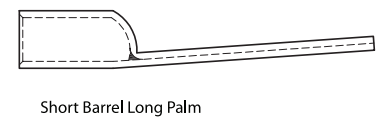
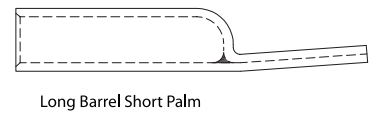
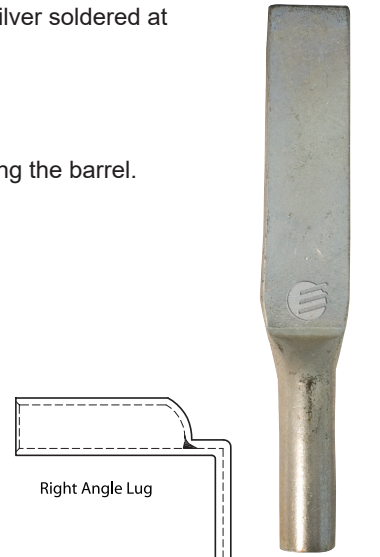
The long palm can easily accommodate two bolts, for secure termination. All lugs are standard with blank palm, and stud holes can be punched to order.

These lugs can easily be modified to make special lugs by bending the palm, cropping the palm or shortening the barrel. Our manufacturing division can modify lugs to your needs, please contact our sales department.

They are designed to crimp with standard hexagon dies for the standard range of copper lugs.

The tooling is dimensionally compatible with standard Australian tooling.

Part No.	Nominal Conductor (mm ²)	ID	Dimensions (mm)					Crimp Die	Tooling	A/F Hex Die (mm)	No. of Crimps
			A	B	C	D	E				
CAL16LPB	16	5.5	86	16	1.5	61	21	HT130-C-16	Same as Copper Crimp Lugs - Standard Range	6.3	1
CAL25LPB	25	7.1	95	16	1.9	61	29	HT130-C-25		7.7	2
CAL35LPB	35	8.2	112	18	2.6	72	35	HT130-C-35		9.2	2
CAL50LPB	50	9.5	130	18.2	3.3	80	44	HT130-C-50		10.4	2
CAL70LPB	70	11.2	154	21.1	3.5	100	48	HT130-C-70		11.5	2
CAL95LPB	95	13.4	161	25	3.9	100	54	HT130-C-95		14.2	3
CAL120LPB	120	15.6	168	28.5	5.0	100	60	HT130-C-120		16.5	3
CAL150LPB	150	16.7	169	32	5.8	100	60	HT130-C-150		18.3	4
CAL185LPB	185	18.4	174	35	5.8	100	64	HT130-C-185		20.0	4
CAL240LPB	240	21.2	192	40	7.1	100	80	HT130-C-240		23.1	4
CAL300LPB	300	23.5	208	45	7.8	105	90	HT130-C-300		26.0	4
CAL400LPB	400	26.8	228	50	7.7	110	100	ECW-H3D-400		28.1	3
CAL500LPB	500	30.0	235	56	8.5	110	105	ECW-H3D-500		31.0	3
CAL630LPB	630	34.0	247	65	10.9	110	115	ECW-H3D-630		37.0	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.

Sealed Palm

Silver solder minimum melt point 180°C

Torque Recommendations

Maximum Torque for 8.8 grade high tensile steel bolts.

Thread dia.(mm) Torque (Nm)

5	5
6	9
8	22
10	44
12	77
16	190

NOTE: Special Manufacture

CABAC Manufacturing can modify, bend and punch long palm long barrel lugs to your requirements. Please photocopy the proforma drawing on page C4 and fill in as much detail as possible, and fax to our sales.

NOTE: Specially manufactured items are **NOT** returnable. Please ensure we fully understand your requirements.

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.