

ALUMINUM COLOR-KEYED® LUGS



GENERAL INFORMATION

- Made of high conductivity aluminum, electro-tin plated.
- Wire barrel contains oxide inhibiting compound for minimum connection resistance.
- UL and CSA listed for either stranded aluminum or stranded copper code cables.
- Color coded to assist in the matching of installing die and connector.
- Maximum Temperature rating 90°C.



Figure 1



INSTALLATION INSTRUCTIONS

1. Strip the insulation from cable, see table “A” (on reverse side) for strip length. Be careful not to nick cable strands.
2. Remove the plastic protective cap from the end of the wire barrel.

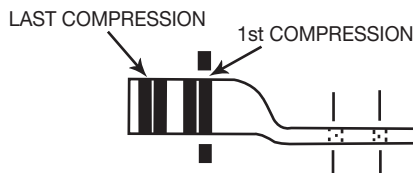


Figure 2



WARNING



Do not remove compound from barrel. Exact amount was installed. Insufficient compound will result in an increase in connection resistance. This compound contains petroleum distillates and small metal particles - avoid prolonged skin contact (wash with soap and water). Consult a physician if swallowed or if contact is made with eyes.

3. Aluminum cable: Smear a thin layer of joint compound onto the cable and brush it with a wire brush or emery cloth and insert cable into connector until it stops. The insertion length must be approximately the length of the stripped cable.
4. Table on reverse side contains installing die and the number of compressions required for each die/connector combination. Insert connector in die and compress on the colored bands beginning near the tongue of the connector.



CAUTION



Using improper installing die may result in a defective connection.

5. After crimping, remove all sharp edges, flash, burrs due to crimping dies.

IMPORTANT NOTE:

The compressions of COLOR-KEYED® lugs are only one half of a good aluminum wire connection. The other half is bolting the lugs to a pad. Expansion & contraction due to temperature changes will affect the tension of the connection. A Belleville compression washer should be used to compensate for these connection changes. T&B Belleville compression washers (Table B) maintain tension on the lug through many cycles of heating and cooling.

TABLE “A”

CAT. No.	AL-CU CABLE RANGE	INSULATION STRIP LENGTH (INCHES)	BOLT SIZE	HEX DIE CODE No.	COLOR CODE	NUMBER OF COMPRESSIONS WITH HYDRAULIC HEADS*
60273N	350-500 MCM	3-1/4	1/2	99H	PINK	4
60278N	500-750 MCM	3-3/8	1/2	115H	YELLOW	4
60267NT	350 MCM	1-3/4	1/2	87H	BROWN	4
60273NT	500 MCM	1-7/8	1/2	94H	GREEN	3
60275NT	600 MCM	1-15/16	1/2	99H	PINK	3
60278NT	750 MCM	1-15/16	1/2	99H	PINK	3
60171NT	500 MCM	1-7/8	1/2	94H	GREEN	3
60174NT08	600 MCM	1-15/16	1/2	99H	PINK	3

*12 TON TOOL or HIGHER

TABLE “B”

Cat. No.	Bolt Size	Max. O.D.
60800	1/4	11/16
60801	5/16	13/16
60802	3/8	1
60803	1/2	1-3/16
60804	5/8	1-1/2

TO INSTALL: Turn bolt until
compression washer is flat.

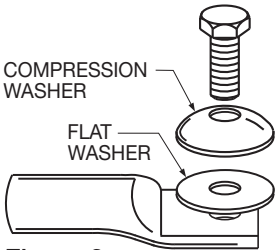


Figure 3

WARRANTY: Thomas & Betts sells this product with the understanding that the user will perform all necessary tests to determine the suitability of this product for the user's intended application. Thomas & Betts warrants that this product will be free from defects in materials or workmanship for a period of two (2) years following the date of purchase. Upon prompt notification of any warranted defect, Thomas & Betts will, at its option, repair or replace the defective product. Misuse, misapplication or modification of Thomas & Betts Products immediately voids all warranties.
Limitations and Exclusions: THE ABOVE WARRANTY IS THE SOLE WARRANTY CONCERNING THIS PRODUCT, AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE SPECIFICALLY DISCLAIMED. LIABILITY FOR BREACH OF THE ABOVE WARRANTY IS LIMITED TO COST OF REPAIR OR REPLACEMENT OF THE PRODUCT, AND UNDER NO CIRCUMSTANCES WILL THOMAS & BETTS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Thomas & Betts Corporation
Memphis, Tennessee
Website: www.tnb.com