

## Color-Keyed®

### 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.

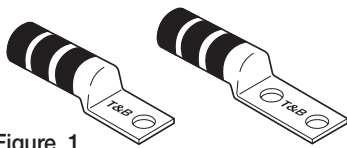


Figure 1



### INSTALLATION INSTRUCTIONS

1. Strip the insulation from cable length found in table (on reverse side). Be careful not to nick cable strands which may later result in strands breaking.
2. Remove the plastic protective cap from the end of the wire barrel.

**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 between marking beginning near the tongue of the connector.

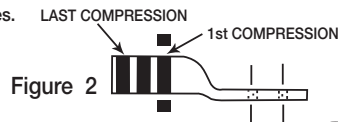
**CAUTION**

Using improper installing die may result in a defective connection.

5. After crimping, remove all sharp edges, flash, burrs due to crimping dies.
6. Insulating using one of the methods found in table on reverse side.

**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 (see table on the right) maintain tension on the lug through many cycles of heating and cooling.



**TO INSTALL:** Turn bolt until compression washer is flat.

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

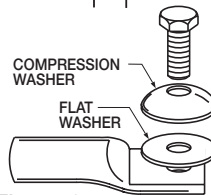


Figure 3

**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 and 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 or refund the purchase price. Proof of purchase is required. Misuse or unauthorized modification of the product 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.

Insulator Choice		Cat. No.		Strip Lgth. (In)	Cable Size	** Range Taking	Hex Die Code No.	Color Code	Number of Compressions															
Shrink Tubing	Adhesive Pad	1 Hole Lug	2 Hole Lug						Hand Tools					Hydraulic Heads				Battery Operated Tools		TBM8-750 TBM8-750BSCR TBM7-750M-1				
									TBM21E TBM25S TBM20S	TBM4S	TBM5	TBM6	TBM8	TBM8HX-1	TBM6H 6 Ton	12 Ton	15 Ton	40 Ton	TBM6BSCR		BPLT14BSCR TBM14BSCR			
HS12-6		60096 60097 60099	—	1/2	10	—	21	Red	2	1	1	1	1	—	1	1	1	1	1	1	1	1	1	
		60101-TB 60102-TB 60103-TB 60104-TB	—	5/8	8	—	24	Blue	2	2	1	2	1	—	1	1	1	1	1	1	1	1	2	
		60106-TB 60107-TB 60108-TB 60109-TB	—	3/4	6	—	29	Gray	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		60112 60113-TB 60114-TB	—	7/8	4	—	37	Green	—	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
HS4-30	AC4X3	60116-TB 60117-TB 60118-TB 60120	—	7/8	2	—	42	Pink	—	2	2	2	2	2	2	2	2*	2	2	2	2*	2	2	
		60122 60123 60124 60126	—	1-1/8	1	—	45	Gold	—	3	3	3	3	3	3	2	2	2	2	2	2	2	3	
		60128 60129 60130 60132	60230	1-1/4	1/0	#6-1/0	50	Tan	—	3	3	3	3	3	3	3	2	2	2	2	3	2	3	
		60134 60135 60136 60138	60236 60238	1-1/4	2/0	#1-2/0	54	Olive	—	3	3	3	3	3	3	2	2	3*	2	2	2	3*	3	
	60140 60141 60142 60144	60242 60244	1-3/8	3/0	—	60	Ruby	—	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3	
	60147 60148 60150 60151	60248 60250	2	4/0	2/0-4/0	66	White	—	—	—	4	4	4	4	4	4*	2	2	4	2	4	2	4	
	HS40-400	AC5X7	60154 60156 60157	60254 60256	2-1/8	250	—	71	Red	—	—	—	4	4	4	4	4*	4*	2	4	4	4*	4	4
			60159 60160 60162	60260 60262	2-1/4	300	4/0-300	76	Blue	—	—	—	4	4	4	4	4*	2	2	4	2	4	2	4
60165 60166			60265 60267	2-3/4	350	250-350	87	Brown	—	—	—	—	4	4	4	4*	4*	2	4	4	4*	4	4	
60168			60268 60269	2-3/4	400	—	94	Green	—	—	—	—	—	4	—	4*	4*	2	—	4	4*	4	4	
HS500-1000		60171 60172	60271 60273	2-3/4	500	4/0-500	99	Pink	—	—	—	—	—	4	—	4*	4*	2	—	4	4*	4	4	
		60174	60274 60275	2-3/4	600	—	106	Black	—	—	—	—	—	4	—	4*	4*	2	—	4	4*	4	4	
		60176	60276 60277	3	700	—	112	Purple	—	—	—	—	—	—	—	4*	4*	2	—	4	4*	4	4	
		60178	60278	3	750	500-750	115	Yellow	—	—	—	—	—	—	—	4*	4*	2	—	4	4*	4	4	
		60184	60284	3-3/4	1000	—	140	—	—	—	—	—	—	—	4*	4*	2	—	4	4*	—	—		

\* Indicates the number of compressions with half width die.

\*\* TBM8-750M-1, TBM8-750M, & TBM8-750 Only. (1 Crimp all applications)

**NOTE:** Some catalog numbers shown above have suffixes: i.e. XXXXXG (indicating special packaging). All crimp settings for these parts are the same as for the base numbers.

Thomas & Betts Corporation  
 Memphis, Tennessee  
 In Canada, Thomas & Betts Ltd., Iberville, P.Q.  
[www.tnb.com](http://www.tnb.com)