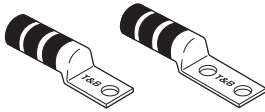


INSTRUCTION SHEET

Connectors, lugs, one and two hole Aluminum

Color-Keyed®

**WARNING**

- Risk of shock, disconnect power before installation.
- Do not crimp on energized wires.

**CAUTION:**

- Product should be installed by a qualified electrician in accordance with national and local electrical codes

General information:

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

Instructions:

1. Strip the insulation from the cable to the length specified in Table 2 (on reverse side) taking care not to nick cable strands (Figure 1).
2. Smear a thin layer of ALUMA-SHIELD® Aluminum Joint Compound (Cat. no. 21059) on the cable (see **Safety Data Sheet SDS-00012 for safe handling instructions**). Use wire brush or emery cloth to clean cable through the compound in order to remove surface oxide.
3. Barrel is pre-installed with appropriate amount of compound. **⚠ WARNING: Do not remove compound from the barrel. Insufficient compound can result in an unsafe connection.**
4. Remove protective caps from the end of the barrel and insert cable into connector barrel until it stops see Figure 2. The insertion length will determine the stripped length of cable.
5. Refer to Table 2 (on reverse side) to select correct installing die and the number of compressions required for each die connector combination. Insert connector in die and compress between color markings beginning near the tongue of the connector and work towards the end, see figure 2. **⚠ CAUTION: Use of improper installing dies may result in malfunctioning connection.**
6. After crimping, remove all sharp edges, flashes, or burrs.
7. Insulate following methods found in Table 2 (on reverse side).

**Important**

Read and understand all instructions and safety information before use. Be aware of proper usage and potential hazards.



Figure 1

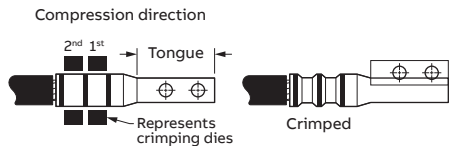
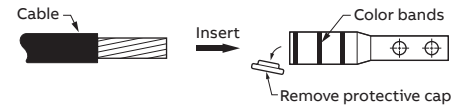


Figure 2

Important note:

- Once crimping of lug and terminal is complete, lug must be securely bolted (to desired application) to establish a solid connection. To mitigate the effect of expansion and contraction due to temperature changes, a Belleville compression washer should be utilized (see Table 1).

To install:

- Turn bolt until compression washer is flat.

Table 1
Belleville washers

Product selection - compression washers			
Drawing	Part no.	Bolt size	Maximum O.D.
Compression washer	60800	1/4"	1 1/4"
	60801	5/16"	1 3/8"
Flat washer	60802	3/4"	1"
	60803	1/2"	1 3/16"
	60804	5/8"	1 1/2"

Figure 3

Table 2
Strip length, Cable size, Color codes, Die codes, Tools, and Insulating methods

Product selection - inches		Strip length	Cable size	**Range taking	Color code	Hex die code	Hand tools								Hydraulic heads				TBM8-750BSCR TBM8-750 Number of compression per side	Battery operated tools		Insulation methods			
Part no.	1 hole						2 hole	Number of compression(s) per side				Number of compression(s) per side				Number of compression(s) per side				Number of compression(s) per side		Shrink tubing	Adhesive pad		
			TBM21E	TBM4S	TBM5	TBM6	TBM8	TBM5HX-1	TBM6H	12 Ton	15 Ton	40 Ton	TBM8-750M-1	TBM6BSCR	BPLT14BSCR	TBM14BSCR									
60096		—	1/2	10	—	Red	21	2	1	1	1	1	—	1	1	1	1	1	1	1	1	1	1	HS12-6	AC4X3
60097						Brown																			
60099						Yellow																			
60101-TB		—	5/8	8	—	Blue	24		1	2	1	—	1	1	1	1	1	1	1	1	1	1	1	1	1
60102-TB								2	2																
60103-TB																									
60104-TB																									
60106-TB		—	3/4	6	—	Gray	29	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
60107-TB																									
60108-TB																									
60109-TB																									
60112		—	7/8	4	—	Green	37	—	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
60113-TB																									
60114-TB																									
60116-TB		—	7/8	2	—	Pink	42	—	2	2	2	2	2	2	2	2*	2	2	2	2	2	2	2	2	2*
60117-TB																									
60118-TB																									
60120																									
60122		—	1 1/8	1	—	Gold	45	—	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2
60123																									
60124																									
60126																									
60128		60230	1 1/4	1/0	#6-1/0	Tan	50	—	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2
60129																									
60130																									
60132																									
60134		60236	1 1/4	2/0	#1-2/0	Olive	54	—	3	3	3	3	3	3	2	2	3*	2	2	2	2	2	2	2	3*
60135		60238																							
60136																									
60138																									
60140		60242	1 1/8	3/0	—	Ruby	60	—	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2
60141		60244																							
60142																									
60144																									
60147		60248	2	4/0	2/0-4/0	White	66	—	—	—	4	4	4	4	4	4*	2	2	2	2	2	2	2	2	2
60148		60250																							
60150																									
60151																									
60154		60254	2 1/8	250	—	Red	71	—	—	—	4	4	4	4	4	4*	4*	2	2	2	2	2	2	2	4*
60156		60256																							
60157																									
60159		60260	2 1/4	300	4/0-300	Blue	76	—	—	—	4	4	4	4	4	4*	2	2	2	2	2	2	2	2	2
60160		60262																							
60162																									
60165		60265	2 1/4	350	250-350	Brown	87	—	—	—	—	4	4	4	4	4*	4*	2	2	2	2	2	2	2	4*
60166		60267																							
60168		60268	2 1/4	400	—	Green	94	—	—	—	—	—	4	—	4*	4*	2	2	2	2	2	2	2	2	4*
60169		60269																							
60171		60271	2 1/4	500	4/0-500	Pink	99	—	—	—	—	—	4	—	4*	4*	2	2	2	2	2	2	2	2	4*
60172		60273																							
60174		60274	2 1/4	600	—	Black	106	—	—	—	—	—	4	—	4*	4*	2	2	2	2	2	2	2	2	4*
60175		60275																							
60176		60276	3	700	—	Purple	112	—	—	—	—	—	—	—	4*	4*	2	2	2	2	2	2	2	2	4*
60177		60277																							
60178		60278	3	750	500-900 compact	Yellow	115	—	—	—	—	—	—	—	4*	4*	2	2	2	2	2	2	2	2	4*
60184		60284	2 3/4	1000	—	—	140	—	—	—	—	—	—	—	4*	4*	2	2	2	2	2	2	2	2	4*

Note: Product must be installed in accordance with applicable national and local electrical codes.

* Indicates the number of compressions with half width die.

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

Note: Some part numbers in table 2 have suffixes: i.e. XXXXXG (indicating special packaging). All crimp requirements for these parts are the same as for the base part numbers.

Product search 