

## BATTERY CONNECTORS (WITH ANTI-ROTATIONAL FEATURE) FOR 3/8" THREADED STUD BATTERY CABLE APPLICATION



### WARNING

**SHOCK HAZARD!**

**NEVER TOUCH A METAL OBJECT SUCH AS A WRENCH OR SCREW DRIVER BETWEEN THE POSITIVE AND NEGATIVE BATTERY POSTS.**

1. Before making battery cable assembly disconnect battery cables from battery post. Note location of the positive and negative terminals to assist in correct installation. This is very important!
2. Carefully strip insulation from cable without nicking cable strands. See Figure 1.
3. The conductor strands should be clean and free of dirt.
4. If heat shrink insulation tubing is to be used, slip it on the cable at this time.
5. If KOPR-SHIELD\* compound is to be used on the installation, apply it to the bare conductors at this time.
6. Select proper connector from table. It shows the corresponding installing die according to the gauge of the battery cable.
7. Select corresponding color coded die. Unscrew the die from the TBM5-SV tool handle and insert it into die slot.
8. Insert stripped end of cable into the connector until it bottoms.
9. Position connector in die. Then, compress (crimp) between colored lines. (See Figure 2A & 2B depending on cable size show in table.) First compression should be nearest to connector tongue. If KOPR-SHIELD\* compound was applied in Step 5, wipe off excess.
10. If heat shrink insulators are used, position them over the barrel of the connector(s), covering the connector barrel and overlapping wire insulation by a minimum of 1-1/2". (See Figure 3). Apply heat per instructions packed with the heat shrink insulators. (Insulation will start to shrink at 250°F.)



### WARNING

**EXPLOSIVE GASES COULD BE PRESENT NEAR BATTERIES. DO NOT USE OPEN FLAME OR INTENSE HEAT NEAR THE BATTERY OR ANY OTHER AREA WHERE FLAMMABLE SUBSTANCES MAY EXPLODE OR IGNITE AND CAUSE A FIRE.**

11. Install positive lead to positive battery terminal, and negative lead to negative battery terminal. Apply a torque of 10 to 15 ft. lbs. to the nut for proper installation.

\*Registered trademark of Jet-Lube Inc.

12. When stacking connectors, position the upper connector so that the anti-rotational pads are seated in the anti-rotational nests of the lower connector. These pads and nests are located so that connectors will be stacked at 90° or 180° relative to each other.

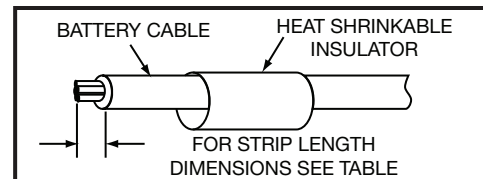


FIGURE 1

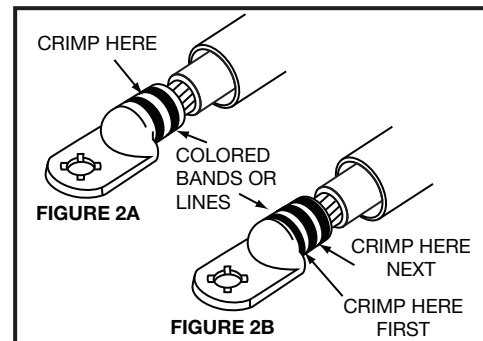


FIGURE 2

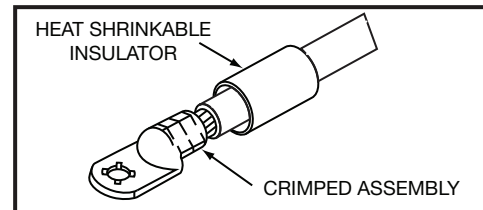


FIGURE 3

### CONNECTOR SELECTION TABLE

CATALOG NUMBER	BATTERY CABLE SIZE	COLOR CODE	INSTALLING TOOL AND DIE	NO. OF COMPRESIONS	STRIP LENGTH	FIGURE
BAC438	4	GREY	GREY	1	1/2"	2A
BAC438**	2	GREEN	GREEN	1	5/8"	
BAC138	1	PINK	PINK	1		
BAC1038	1/0	BLACK	BLACK	2	11/16"	2B
BAC2038	2/0	ORANGE	ORANGE	2	3/4"	
BAC3038	3/0	PURPLE	PURPLE	2		
BAC4038	4/0	YELLOW	YELLOW	2	7/8"	

\* TBM5V or TBM5-SV

\*\* FOR NO.2 GAUGE (295 MIN. DIA.) BATTERY CABLE

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