

# Installation Instructions

## For

### VFD-1 Panel Mount Receptacle

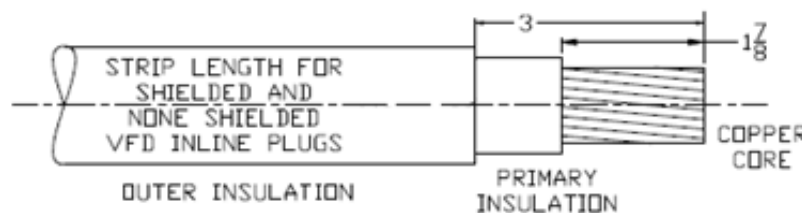
Panel Mount Receptacles are furnished preassembled in either male or female patterns. Male receptacles are recommended for power outputs due to the dead front tip design. Female receptacles are recommended for power inputs.

The receptacle Grounding Ring with Rubber Insulator is LEFT hand threaded and is removed by unscrewing to the right. The receptacle is installed with the gasket between the flange and the panel wall.

The supplied lug is crimped onto the cable per the chart on Page 2 and attached with the Allen head bolt and lock washer.

#### Installation Instructions

- 1. Panel mount receptacle is shipped assembled except for the lug and the grounding ring with rubber insulator. Remove the grounding ring with rubber insulator and unbolt the lug.**
- 2. Mount receptacle in position on the panel.**
- 3. Strip the insulation off of the cable per the instructions and drawing below:**
  - A. Cut and remove both outer sheath and braid shield to expose a 3 inch (76 mm) length of the primary insulation.
  - B. Cut and remove the primary insulation to expose a 1 and 7/8 inch (48 mm) length of the copper core.



**4. Crimp lug onto cable using hex style crimping dies per chart below:**

**Crimping Die Information**

**Thomas & Betts - 13642PF**

Cable Size MCM	Hydraulic Die Cat. No.	Head Die Code
313	11744	76H
444	11748	99H
535	11749	106H
646	11753	115H
777	11753	115H

**Thomas & Betts - TBM15PF**

Cable Size MCM	Head Die Cat. No.	Head Die Code
313	15512	76H
444	15505	99H
535	15515	106H
646	15504	115H
777	15504	115H

- 5. Slide grounding ring with rubber insulator over lug onto cable.**
- 6. Attach lug to rear of receptacle using supplied metric Allen head bolt and lock washer.**
- 7. Slide grounding ring with rubber insulator into place (rotation of connector will help if lug was located at 45 degree angle)**
- 8. Screw grounding ring with rubber insulator onto rear of receptacle.**
  - NOTE: LEFT HAND THREADS – TIGHTEN FULLY BUT DO NOT STRIP.**

**Please call (281) 445-7400 for technical assistance.**

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