

## **PART 1 - GENERAL**

### **1.1 RELATED SECTIONS**

- .1 Section 26 05 00: Electrical General Requirements.

## **PART 2 - PRODUCTS**

### **2.1 WIRE AND BOX CONNECTORS**

- .1 Pressure type wire connectors: with current carrying parts of copper sized to fit copper conductors as required.
- .2 Fixture type splicing connectors: with current carrying parts of copper sized to fit copper conductors 10 AWG or less.
- .3 Bushing stud connectors: to EEMAC 1Y-2 to consist of:
  - .1 Connector body and stud clamp for copper conductors.
  - .2 Bolts for copper conductors.
  - .3 Sized for conductors as noted.
- .4 Clamps or connectors for armoured cable, liquid tight, flexible conduit, as required.
- .5 All wire connectors must be rated for operating voltage indicated.
- .6 Tin-plated copper, colour-keyed, crimp type compression connectors (long barrel, two hole) with a straight, 45°, or 90° lug tongue configuration as required.

## **PART 3 - EXECUTION**

### **3.1 WIRE AND BOX CONNECTORS INSTALLATION**

- .1 Make all connections and terminations electrically and mechanically secure. Sizes of connectors must be as per manufacturer's recommendations for various sizes and combinations of wire sizes.
- .2 Make all joints required in branch wiring #8 AWG and smaller utilizing "twist-on" type connectors as manufactured by "Ideal" (colour coded wirenut) or "Marrettes" #31, #33 or #35.

- .3 Make joints for wiring larger than #8 AWG utilizing colour keyed crimp type compression connectors (two hole, long barrel, tin-plated copper) complete with manufacturer approved compression tools. Provide a first layer of compound type tape followed by an additional layer of "Scotch" #33 vinyl tape. Bolt compression connectors together and torque in accordance with manufacturer's recommendation.
- .4 Plier tighten marrette type connectors.
- .5 Make wire connectors for connections to equipment not provided with lugs utilizing colour keyed, crimp type compression connectors (long barrel, two hole, tin-plated copper, straight lug tongue) complete with manufacturer approved compression tools. Alternate lug tongue configurations (45° and 90°) will be accepted where required by application.

**END OF SECTION**