

PART 1 - GENERAL

- 1.1 REFERENCES .1 CSA C22.2, No. 65-03-2013, Standard for Wire Connectors.

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 Tin-plated copper, colour keyed, crimp type compression connectors, (long barrel, two hole) with a straight, 45° or 90° lug tongue configuration as required.
.1 Acceptable products: Thomas & Betts "Color-keyed" compression connectors or approved equivalent.
- .5 Clamps or connectors for armoured cable, liquid tight, flexible conduit, as required.
- .6 All wire connectors to be rated for operating voltage indicated.

PART 3 - EXECUTION

3.1 WIRE AND BOX
CONNECTORS
INSTALLATION

- .1 Make all connections and terminations electrically and mechanically secure. Sizes of connectors to be as per manufacturer's recommendations for various sizes and combinations of wire sizes.
- .2 Make all joints required in branch wiring #8 and smaller utilizing "twist-on" type connectors as manufactured by "Ideal" (colour coded wirenut) or "Marrettes" #31, #33 or #35, or approved equivalents.
- .3 Make joints for manufacturer approved 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. Use a first layer of compound type tape followed by additional layers of "Scotch" #33+ vinyl tape. Bolt compression connectors together and torque in accordance with manufacturer's recommendation. Heat shrink can also be used.
- .4 Marrette type connectors to be plier tightened.
- .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.