

**WIRE AND BOX CONNECTORS 0 – 1000 V****PART 1      GENERAL****1.1      SECTION INCLUDES**

- .1      Materials and installation for wire and box connectors.

**1.2      RELATED SECTIONS**

- .1      Section 26 05 00 – Common Work Results - Electrical.

**1.3      REFERENCES**

- .1      Canadian Standards Association (CSA)
  - .1      CAN/CSA-C22.2 No.18, Outlet Boxes, Conduit Boxes and Fittings.
  - .2      CAN/CSA-C22.2 No.65, Wire Connectors (Tri-National Standard with UL 486A-486B and NMX-J-543-ANCE-03).
- .2      Electrical and Electronic Manufacturers' Association of Canada (EEMAC)
  - .1      EEMAC 1Y-2, Bushing Stud Connectors and Aluminum Adapters (1200 Ampere Maximum Rating).
- .3      National Electrical Manufacturers Association (NEMA)

**PART 2      PRODUCTS****2.1      MATERIALS**

- .1      Pressure type wire connectors to: CSA C22.2 No.65, with current carrying parts of copper sized to fit copper conductors as required.
- .2      Fixture type splicing connectors to: CSA C22.2 No.65, 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 stranded copper conductors.
  - .2      Clamp for copper bar.
  - .3      Stud clamp bolts.
  - .4      Bolts for copper bar.
  - .5      Sized for conductors and bars as indicated.
- .4      Clamps or connectors for armoured cable, aluminum sheathed cable, mineral insulated cable, flexible conduit, non-metallic sheathed cable as required to: CAN/CSA-C22.2 No.18.

**WIRE AND BOX CONNECTORS 0 – 1000 V****PART 3****EXECUTION****3.1           INSTALLATION**

- .1       Remove insulation carefully from ends of conductors and:
  - .1       Install mechanical pressure type connectors and tighten screws with appropriate compression tool recommended by manufacturer. Installation shall meet secureness tests in accordance with CSA C22.2 No.65.
  - .2       Install fixture type connectors and tighten. Replace insulating cap.
  - .3       Install bushing stud connectors in accordance with EEMAC 1Y-2.

**END OF SECTION**