

**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.

- .5 Terminal blocks in both pull boxes and Pedestal junction boxes.

**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**