

**Part 1        General**

**1.1            SECTION INCLUDES**

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

**1.2            RELATED SECTIONS**

- .1        Section 26 05 21 – Wire and Cables.
- .2        Section 26 05 31 – Splitters, Junction Boxes, Pull Boxes and Cabinets.

**1.3            REFERENCES**

- .1        Canadian Standards Association (CSA International)
  - .1        CAN/CSA-C22.2 No.18, Outlet Boxes, Conduit Boxes, Fittings and Associated Hardware.
  - .2        CSA C22.2 No.65-93, Wire Connectors.
- .2        Electrical and Electronic Manufacturers' Association of Canada (EEMAC)
  - .1        EEMAC 1Y-2, 1961 Bushing Stud Connectors and Aluminum Adapters (1200 Ampere Maximum Rating).
- .3        National Electrical Manufacturers Association (NEMA)

**1.4            WASTE MANAGEMENT AND DISPOSAL**

- .1        Remove from site and dispose of all packaging materials at appropriate recycling facilities.
- .2        Divert unused wiring materials from landfill to metal recycling facility as approved by Departmental Representative.

**Part 2        PRODUCTS**

**2.1            MATERIALS**

- .1        Pressure type wire connectors to: CSA C22.2 No.65, with current carrying parts of copper or aluminum sized to fit conductors as required.
- .2        Fixture type splicing connectors to: CSA C22.2 No.65, with current carrying parts of copper sized to fit conductors 10 AWG or less.
- .3        Bushing stud connectors: to EEMAC 1Y-2, NEMA to consist of:
  - .1        Connector body and stud clamp for stranded conductors.
  - .2        Clamp for stranded copper conductors.
  - .3        Sized for conductors as indicated.
- .4        Clamps or connectors for armoured cable, as required to: CAN/CSA-C22.2 No.18.

**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, NEMA.

**END OF SECTION**