

**Part 1 General**

**1.1 SECTION INCLUDES**

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

**1.2 RELATED SECTIONS**

- .1 Division 01 – General Requirements.
- .2 Section 26 05 01 – Common Work Results – Electrical.
- .3 Section 26 05 21 – Wires and Cables 0-1000V.

**1.3 REFERENCES**

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

**1.4 MATERIALS**

- .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 consist of:
  - .1 Connector body and stud clamp for stranded, copper conductors.
  - .2 Clamp for stranded copper conductors.
  - .3 Stud clamp bolts.
  - .4 Bolts for copper conductors.
  - .5 Bolts for aluminum conductors.
  - .6 Sized for conductors as indicated.
- .4 Clamps or connectors for armoured cable, flexible conduit, as required.
- .5 Joints required in connecting all wiring up to and including # 8, are to be made using twist-on connectors.
- .6 Joints for all other wiring shall be made using colour-keyed compression type connectors followed by a layer of CSA approved vinyl plastic tape.

**Part 2            Products**

**2.1                NOT USED**

- .1        Not Used.

**Part 3            Execution**

**3.1                MANUFACTURER'S INSTRUCTIONS**

- .1        Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheet.

**3.2                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