

**Part 1 General**

**1.1 RELATED SECTIONS**

- .1 Division 01 – General Requirements.
- .2 Section 26 05 01 – Common Work Results – Electrical.
- .3 Section 26 05 20 - Wire and Box Connectors - 0 - 1000 V.
- .4 Section 26 05 34 Conduits, Conduit Fastenings and Conduit Fittings.

**1.2 REFERENCES**

- .1 CSA C22.2 No .0.3-01 (R2005), Test Methods for Electrical Wires and Cables Latest Edition.

**Part 2 Products**

**2.1 BUILDING WIRES**

- .1 Conductors: stranded for #8 AWG copper and larger. Minimum size: #12 AWG.
- .2 Conductors: size as indicated, with 600V insulation of chemically cross-linked thermosetting polyethylene material rated RW90.
- .3 Neutral conductor insulated for 600V shall be continuous with no fuses, switches, or breaks of any kind.
- .4 Wiring for specialized systems such as fire alarm shall be as indicated in other sections or on drawings.
- .5 The voltage drop in no case shall exceed 3% of the line volts for branch circuits.

**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 OF BUILDING WIRES**

- .1 Install wiring as follows:
  - .1 In conduit systems in accordance with Section 26 05 34
  - .2 Use vibration proof expanding spring wire connectors for No. 10 and smaller.

END OF SECTION