

Part 1 General

1.1 REFERENCES

- .1 The latest adopted version of:
 - .1 CSA C22.2 No .0.3, Test Methods for Electrical Wires and Cables.
 - .2 CAN/CSA-C22.2 No. 131, Type TECK 90 Cable.

Part 2 Products

2.1 BUILDING WIRES

- .1 Conductors: stranded for 10 AWG and larger. Minimum size: 12 AWG.
- .2 Copper conductors: size as indicated, with 600 V insulation of chemically cross-linked thermosetting polyethylene material rated RW90 XLPE, RWU90 XLPE rated cable for underground wiring.

2.2 NON-METALLIC SHEATHED CABLE

- .1 Cable type: NMD90, 2 or 3 copper circuit conductors, ground conductor.

2.3 ARMOURED CABLES

- .1 Conductors: insulated, copper, size as indicated.
- .2 Type: AC90.
- .3 Armour: interlocking type strip.
- .4 Type: ACWU90 - flame retardant jacket over thermoplastic armour meeting FT4 requirements of Vertical Tray Fire Test of CSA C22.2 No. 0.3 with maximum flame travel of 1.5 m.
- .5 Connectors: as required.

Part 3 Execution

3.1 INSTALLATION OF BUILDING WIRES

- .1 Install wiring as follows:
 - .1 In conduit systems in accordance with Section 26 05 34.
 - .2 In surface and lighting fixture raceways in accordance with Section 26 50 00.

3.2 INSTALLATION OF CABLES

- .1 Group cables wherever possible.

- .2 Use permitted only for work in moveable partitions and vertical power supply drops to light fixtures.
- .3 Terminate cables in accordance with Section 26 05 20 - Wire and Box Connectors - 0 - 1000 V.
- .4 NMD90 may be utilized in all wood framing, unless noted otherwise.
- .5 AC90 may be used in plenums to wire lighting.

END OF SECTION