

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 26 05 20 - Wire and Box Connectors.
- .2 Section 26 05 34 - Conduits, Conduit Fastening and Conduit Fittings

Part 2 PRODUCTS

2.1 BUILDING WIRES

- .1 Conductors: stranded for 10 AWG and larger. Minimum size 12 AWG, except as noted.
- .2 Copper conductors: size as indicated, with 600V insulation oil and gas resistant, nylon, TWN75, THHN and THWN only.

2.2 TECK CABLE

- .1 Above grade only.
- .2 Cable: to CAN/CSA-C22.2 No. 131.
- .3 Conductors:
 - .1 Grounding conductor: copper.
 - .2 Circuit conductors: copper, size as indicated.
- .4 Insulation:
 - .1 Chemically cross-linked thermosetting polyethylene rated type RW90, 600 V.
- .5 Inner jacket: polyvinyl chloride material.
- .6 Armour: interlocking aluminum.
- .7 Overall covering: polyvinyl chloride material.
- .8 Fastenings:
 - .1 One hole malleable steel straps to secure surface cables 50 mm and smaller. Two hole steel straps for cables larger than 50 mm.
- .9 Connectors:
 - .1 Watertight, explosion-proof approved for TECK cable.
- .10 Coating (inside dispenser sump):
 - .1 Petroleum resistant, shrink jacket.

2.3 CONTROL/ COMMUNICATIONS CABLES

- .1 Cables to have oil and gas resistant insulation.
- .2 For 4 #18SH cable use Belden #89418 or equal.

- .3 For 9/C #22SH cable use Belden #83559 or equal.

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 – Conduits, Conduit Fastenings and Conduit Fittings.

3.2 INSTALLATION OF TECK CABLE

- .1 Install cables.
- .2 Terminate cables in accordance with Section 26 05 20 - Wire and Box Connectors.

3.3 INSTALLATION OF CONTROL / COMMUNICATIONS CABLES

- .1 Install control/communications cables in conduit.
- .2 Ground control/communications cable shield, or tape off shield as indicated so as not to be in contact with grounded metal.

3.4 TESTING

- .1 Perform test to all wire and cables in accordance with applicable federal, provincial and municipal requirements.

END OF SECTION