

PART 1 - GENERAL

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| <u>1.1 SUBMITTALS</u> | .1 | Submit shop drawings, and product data in accordance with Section 01 33 00. |
| <u>1.2 RELATED SECTIONS</u> | .1 | Conduits, Conduit Fastenings and Conduit Fittings: Section 26 05 34 |
| | .2 | Wire and Box Connectors (0 - 1000V): Section 26 05 20 |
| <u>1.3 REFERENCES</u> | .1 | CSA C22.1-12, Canadian Electrical Code. |

PART 2 - PRODUCTS

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| <u>2.1 BUILDING WIRES</u> | .1 | Conductors: soft drawn, stranded, copper(of 98% conductivity). Minimum size #12 AWG. |
| | .2 | Copper conductors: size as indicated, with 600 V insulation of chemically cross-linked thermosetting polyethylene material rated RW90-XLPE. |
| | .3 | Wiring to be colour coded in accordance with the Canadian Electrical Code. |

PART 3 - EXECUTION

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| <u>3.1 INSTALLATION OF BUILDING WIRES</u> | .1 | Install wiring as follows:
.1 In conduit systems in accordance with Section 26 05 34. |
| <u>3.2 INSTALLATION OF CABLES: GENERAL</u> | .1 | Support cables independently of supports used for equipment of other trades; do not support from or secure cables to ductwork and piping. |
| | .2 | Install cables in a neat and professional manner, so as to conserve headroom. |
| | .3 | Install cables parallel and perpendicular to building lines. |
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- 3.2 INSTALLATION
OF CABLES: GENERAL
(Cont'd)
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- .4 Stranded conductors are to be "twisted together" at each termination.
- .5 Ty-rap branch circuit phase conductors and neutral (where applicable) at the closest point of entry within all panelboards, pullboxes, junction boxes, motor control centres and switchboards.