

PART 1 - GENERAL

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| <u>1.1 Related Sections</u>              | .1 | Section 26 05 20 - Wire and Box Connectors - 1000 V.   |
| <u>1.2 References</u>                    | .1 | CSA C22.2 No .0.3-01, Test Methods for Electrical Wires and Cables.  |
|  | .2 | CAN/CSA-C22.2 No. 131-M89(R2004), Type TECK 90 Cable.  |
| <u>1.3 Product Data</u>                  | .1 | Submit product data in accordance with Section 01 33 00 - Submittal Procedures.                              |
| <u>1.4 Waste Management and Disposal</u> | .1 | Separate and recycle waste materials in accordance with Section 26 05 00 - Common Work Results - Electrical. |

PART 2 - PRODUCTS

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| <u>2.1 Building Wires</u> | .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 and RWU90 as indicated. Provide RWU90 rated cable for underground wiring. Related to new service entrance feeders and site lighting circuits. RWU90 not required under interior floor slabs. |
|                           | .3 | Copper conductors: size as indicated, with thermoplastic insulation type TWH rated at 600 V, typically used for insulated ground wires.  |
|                           | .4 | Neutral supported cable: 3 phase insulated conductors of aluminum and one neutral conductor of aluminum steel reinforced, size as indicated. Insulation: Type NSF-2 flame retardant rated 600 V.   |

PART 3 - EXECUTION

- 3.1 Installation of .1 Install wiring as follows:  
Building Wires .1 In conduit systems in accordance with  
Section 26 05 34 - Conduits, Conduit  
Fastenings and Conduit Fittings.