

PART 1 - GENERAL

1.1 REFERENCES

- .1 Canadian Standards Association (CSA).
 - .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 cross-linked thermosetting polyethylene material rated RW90 XLPE as indicated.
- .3 Copper conductors: size as indicated, with thermoplastic insulation type TWH rated at 600 V, typically used for insulated ground wires.

2.2 TECK CABLE

- .1 Cable: to CAN/CSA-C22.2 No. 131.
 - .2 Conductors:
 - .1 Grounding conductor: copper.
 - .2 Circuit conductors: copper and ACM alloy as indicated.
 - .3 Insulation:
 - .1 Cross-linked polyethylene XLPE, rating - 600 V.
 - .4 Inner jacket: polyvinyl chloride material.
 - .5 Armour: interlocking compliant to applicable Building Code classification for this project.
 - .6 Overall covering: thermoplastic polyvinyl chloride.
 - .7 Fastenings:
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| 2.2 TECK CABLE
(Cont'd) | .7 (Cont'd) | .1 One hole steel straps to secure surface cables 53 mm and smaller. Two hole steel straps for cables larger than 53 mm. |
| | | .2 Channel type supports for two or more cables at 1500 mm centers. |
| | | .3 Threaded rods: 6 mm diameter to support suspended channels. |
| | .8 Connectors: | |
| | | .1 Watertight and or type approved for TECK cable, as indicated. |

PART 3 - EXECUTION

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| 3.1 FIELD QUALITY
CONTROL | .1 | Perform tests in accordance with Section 26 05 00 - Common Work Results for Electrical. |
| | .2 | Perform tests using method appropriate to site conditions and to approval of Departmental Representative and local authority having jurisdiction over installation. |
| | .3 | Perform tests before energizing electrical system. |
| | .4 | No splices in feeders in new work. |
| 3.2 INSTALLATION OF
TECK CABLE
(0-1000V) | .1 | Install cables.
.1 Group cables wherever possible on channels. |
| | .2 | Install cable concealed, securely supported by straps and hangers. |