

1.0 PRODUCTS AND DESIGN REQUIREMENTS**.1 Building Wires**

- .1 Conductors: Stranded for 10 AWG and larger. Minimum size: 12 AWG.
- .2 Copper conductors: Sized as indicated, with 600 V insulation of cross-linked thermosetting polyethylene material rated RW90 XLPE, non-jacketed.

.2 Non-Metallic Sheathed Cable

- .1 Not acceptable (NMD type cable).

.3 Teck 90 Cable

- .1 Cable shall be in accordance with Section 26 05 00 Common Work Results for Electrical. Teck cable to be used only where permitted by BCIT.
- .2 Insulation:
 - .1 Ethylene propylene rubber EP.
 - .2 Cross-linked polyethylene XLPE.
 - .3 Rating shall be 600 V.
- .3 Inner Jacket: Polyvinyl chloride material.
- .4 Armour: Interlocking.
- .5 Connectors: Watertight, approved for Teck cable.

.4 Armoured Cables

- .1 Conductors: Insulated, copper, size as indicated.
- .2 Type: AC90.
- .3 Armour: Interlocking type fabricated from aluminum strip.
- .4 Connectors: Anti-short connectors.

*** END OF WIRES and CABLES (0-1000 V) SECTION ***