



**26 0513 –
Wire and Cable**

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Last Update: May 12, 2017

A. Materials & Construction:

1. 600V and lower systems: All conductors shall be copper, typically with 600V THHN/THWN insulation. Other insulation types may be required or acceptable. Coordinate with BSU Engineering prior to specifying
2. Over 600V: Coordinate with BSU Engineering prior to specifying.
3. Stranded conductors for #10 and larger except for connections to grounding electrodes and bonding jumpers may be solid for #6 and smaller. Solid or stranded for #10 and smaller. Do NOT specify solid only for #10, 12 and 14. Stranded is preferred. It is easier to work with when we have to get back into pull in junction boxes later.
4. #12 minimum size, typically, except for some control wiring and fire alarm annunciating device wiring may be #14.
5. Types MC and AC cable are not allowed except for fixture whips 6'0" and shorter. We have, on a case by case basis, allowed types MC or AC cable to be used under an alternate bid in order to help protect budgets. This is not preferred. Obtain prior written approval from BSU Engineering before pursuing this option.

B. Support:

1. All wiring shall be in raceways. No open cable allowed.
2. Install approximately 6" above the top of the equipment racks in configuration shown on BSU standard details.

C. Approved Manufacturers:

1. Chatsworth Universal Cable Runway 10250 Series, 12" wide.