

SECTION 16621
TRAY CABLE

PART 1 DESCRIPTION

- A. Furnish and install tray cable.

PART 2 MATERIALS

- A. Provide new materials that comply with the details shown on the plans and meet the following requirements.
 1. Provide bare concentric-stranded soft annealed copper conductors.
 2. Provide individually insulated conductors with XHHW insulation and an overall polyvinyl chloride (PVC) jacket.
 3. Provide 3-conductor cables with black, white, and green insulation colors.
 4. Provide 4-conductor cable with black, white, green, and red insulation colors.
 5. Clearly and durably mark the outer surface of the jacket at 2 ft. maximum intervals by indent printing to show the insulation type, rating, and manufacturer.
 6. Assemble round conductors and provide nonhygroscopic filler to prevent flattening of cable.
 7. Ensure cable is suitable for use outdoors, under exposure to ultraviolet light, and in wet locations.

PART 3 CONSTRUCTION

- A. Provide an additional 5 ft. of cable coiled in each ground box when installing cable in underground conduit. Splice tray cable only at locations shown on the plans. Obtain written approval of the Owner's Representative for each splice. Ensure that allowed splices are watertight. Test the cables after installation and prior to any connection to the cables. Remove and replace cable testing at less than 50 megohms insulation resistance at 500 volts.

PART 4 MEASUREMENT

- A. This Item will be measured by the foot of tray cable.
- B. This is a plans quantity measurement Item. The quantity to be paid is the quantity shown in the proposal. Additional measurements or calculations will be made if adjustments of quantities are required.

PART 5 PAYMENT

- A. The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Tray Cable" of the types and sizes specified. This price is full compensation for furnishing and installing materials and for equipment, labor, tools, and incidentals.

END OF SECTION