

ITEM 670.68 25 - PRIMARY ELECTRIC CABLE, 15kVA, #2 AWG

1. DESCRIPTION:

- 1.01 This work shall consist of furnishing and installing primary electric cable in accordance with the Plans, Specifications, and Utility Specifications.

2. MATERIALS:

- 2.01 Cable shall meet the requirements of the Utilities Specifications. A catalog cut of proposed cable shall be submitted to the Engineer for approval by the Utility before purchasing cable.

3. CONSTRUCTION DETAILS:

- 3.01 Installation of cable shall be in accordance with the Plans, Specifications and Utility Specifications.
- 3.02 Installation shall not start until conduits, raceways, pullboxes and vault pads have been cleared of all foreign matter and all other operations of the work which are likely to damage the conductors have been completed.
- 3.03 The National Electric Code Rules shall be observed regarding installation of wire.
- 3.04 A minimum of ten (10) feet of slack per cable shall be left in every pullbox or vault pad.
- 3.05 Sufficient cable shall be provided to allow the Utility to make the primary connections at the utility pole.
- 3.06 A pulling plan showing how the cables are to be rigged, the pulling machine itself, calculations for pulling tension and the method utilized to avoid exceeding the allowable tension shall be submitted and approved by the Engineer prior to commencing installation of cable.
- 3.07 After the cables are pulled and prior to being terminated by the Utility, an industry accepted high voltage test may be required by the Utility. Any cable failing this test or other tests required by the Utility shall be replaced at no additional cost to the Authority.

4. METHOD OF MEASUREMENT:

- 4.01 The method of measurement for payment shall be the number of linear feet of cable furnished and installed in accordance with the Contract Documents.

5. BASIS OF PAYMENT:

- 5.01 The unit price bid per linear feet of cable shall include the cost of all labor, materials, and equipment to complete the work including all tests required by the Utility.