

OVERHEAD CIRCUIT #6 AWG DUPLEX

I. Quantity

The base bid shall include the indicated number of feet of overhead circuit #6 AWG Duplex furnished and supplied as hereinafter specified.

II. Material

- a. The Duplex Aluminum Self-Supporting Cable shall consist of 1-#6/7 strand aluminum insulated conductor and 1-#6,6/1 ACSR bare neutral. The #6 AWG, 7 Strand Aluminum Conductors shall have .045 inches of black, cross-linked polyethylene insulation rated at 600 Volt. The ACSR #6 AWG, 6/1 Strand Conductor shall be bare.

The insulation shall be chemically cross-linked, light and heat resistant, thermosetting polyethylene and comply with the latest ASA specification No. C8.35, and ICEA S-19-81.

The aluminum wire shall comply with the latest applicable ASTM B-230 B-231, B-232, B-399, B-786 specification for aluminum wire and stranded electrical conductors.

The Duplex Cable code word shall be "Shepard."

- b. Secondary Racks with Spool Insulators - The secondary racks shall be heavy duty, hot dipped galvanized steel, with single 3" Spool Insulator, approved equal to Porcelain Products Catalogue #5101.
- c. Splices - The splices shall be compression type, aluminum, equal to Burndy product.
- d. Tie Wire - The tie wires shall be #6 aluminum.
- e. Through Bolts - The through bolts, nuts, and washers shall be hot dipped galvanized, 5/8" diameter.
- f. Insulating Pads - The insulating pads shall be approximately 3 1/4" x 4 1/2" x .125" Scotch #2200 or approved equal.

III. Installation

- a. The overhead circuit shall be installed in the locations shown on the drawings and indicated in the field by the engineer.