

SECTION 16625

ZINC-COATED STEEL WIRE STRAND

PART 1 DESCRIPTION

- A. Furnish and install zinc-coated steel wire strand.

PART 2 MATERIALS

- A. Conform to the requirements of ASTM A 475, Utilities Grade or better, Class A coating. These requirements include, but are not limited to, the properties given in Table 1. Furnish 7 wires per strand.

**Table 1
Dimensions and Properties**

Nominal Diameter of Strand (in.)	Nominal Diameter of Coated Wires (in.)	Approx. Weight per 1000 ft. (lb.)	Minimum Breaking Strength (lb.)	Minimum Zinc Coating Class A (oz./sq. ft.)
3/16	0.065	80	2,400	0.50
1/4	0.080	121	4,750	0.60
9/32	0.093	164	4,600	0.70
5/16	0.109	225	6,000	0.80
3/8	0.120	273	11,500	0.85
7/16	0.145	399	18,000	0.90
1/2	0.165	517	25,000	0.90

- B. Supply new material. Remove drips, runs, sharp points, voids, and damage from the zinc coating. Samples from each roll of each diameter of strand will be taken. Replace strands failing to meet the requirements of this Section.

PART 3 CONSTRUCTION

- A. Install strands as shown on the plans. Splicing is not permitted.
- B. When the strand is used as a messenger cable or span wire, ground it to the grounding conductor at each pole. Metal poles may be used as the grounding conductor. Ensure a resistance less than 1 ohm from the strand to the ground rod.

PART 4 MEASUREMENT AND PAYMENT

- A. The work performed, materials furnished, equipment, labor, tools, and incidentals will not be measured or paid for directly but will be subsidiary to pertinent Sections.

END OF SECTION