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**Norm:** ASTM A475 - Standard Specification for Zinc-Coated Steel Wire Strand

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**Applications & Usage:**

Galvanized steel strand used in electrical and distribution networks.

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**Dimensional Characteristics**

Nominal Conductor Diameter	: 1/2" (12.70 mm)
Number of Strands	: 7
Nominal Diameter of Steel Strands:	: 0.165" (4.19 mm)
Approximate Weight	: 517 lb./1000 ft (770 kg/km)
Stranding Lay (unless otherwise specified)	: Left Lay

**Mechanical Characteristics**

**Utilities Grade (UTIL)**

Minimum Breaking Strength of Strand	: 25,000 lbf (111.206 kN)
Minimum Elongation (24" or 610 mm)	: 4%

**Common Grade**

Minimum Breaking Strength of Strand	: 7,400 lbf (32.917 kN)
Minimum Elongation (24" or 610 mm)	: 10%

**Siemens-Martin Grade (SM)**

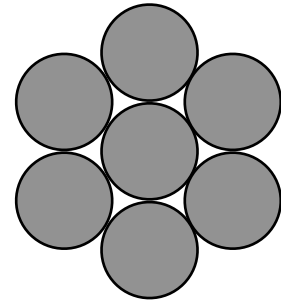
Minimum Breaking Strength of Strand	: 12,100 lbf (58.823 kN)
Minimum Elongation (24" or 610 mm)	: 8%

**High Strength Grade (HS)**

Minimum Breaking Strength of Strand	: 18,800 lbf (83.627 kN)
Minimum Elongation (24" or 610 mm)	: 5%

**Extra High Strength Grade (EHS)**

Minimum Breaking Strength of Strand	: 26,900 lbf (119.657 kN)
Minimum Elongation (24" or 610 mm)	: 4%



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### **Galvanization Characteristics**

Nominal Diameter of Steel Strands : 0.165" (4.19 mm)

Minimum Weight of Coating Zinc of Uncoated Wire Surface

- Class 1 - 0.40 oz/ft<sup>2</sup> (122 g/m<sup>2</sup>)
- Class A - 0.90 oz/ft<sup>2</sup> (275 g/m<sup>2</sup>)
- Class B - 1.80 oz/ft<sup>2</sup> (549 g/m<sup>2</sup>)
- Class C - 2.70 oz/ft<sup>2</sup> (824 g/m<sup>2</sup>)

### **Packaging**

Material & Type of Packaging : Heat-Treated Wooden Reels (HT 284 / ISPM-15)

Length of Cable per Reel : As requested by client