30% Extra High Strength Copper Clad Steel

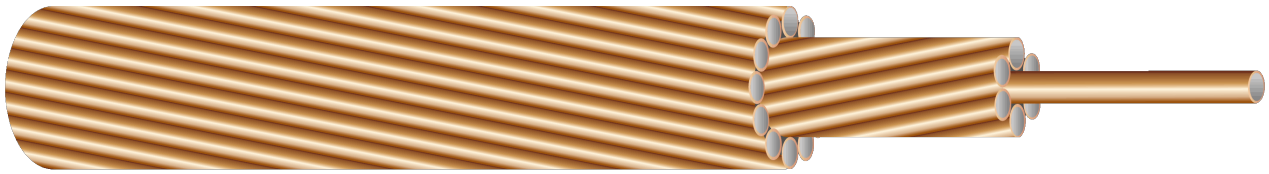

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

Stranded Copper-Clad Steel per ASTM A460

APPLICATIONS AND FEATURES:

30% Conductivity Extra High Strength Copper-Clad Steel Wire is designed for use as guy wires for overhead lines, messengers, or span wires. Features maximum tensile strength with minimal sag compared to solid copper. Resistant to permanent stretch caused by seasonal changes in temperature and less susceptible to cracking from repeated flexing and mechanical vibration. With very little scrap value, discourages theft.

SPECIFICATIONS:

- ASTM A460 Standard Specification for Copper-Clad Steel Wire Strand
- ASTM B228 Standard Specification for Concentric-Lay-Stranded Copper-Clad Steel Conductors
- ASTM B227 Standard for Hard-Drawn Copper-Clad Steel Wire

Table 1 - Weights and Measurements

Stock Number	Cond. Size	Strand Count	Approx. OD	Cond. Area	Rated Breaking Strength	Approx. Weight	DC Resistance @20°C
	AWG	No. of Strands	inch	cmil	lbs.	lbs./1000ft	Ω/1000ft
CC-10063	19#4	19	1.022	793000	77501	2346.4	0.0442
CC-10064	19#5	19	0.910	628700	64887	1860.1	0.0558
CC-10065	19#6	19	0.810	498600	53860	1475.3	0.0703
CC-10066	19#7	19	0.722	395600	44497	1170.6	0.0886
CC-10067	19#8	19	0.643	313700	36577	928.3	0.1118
CC-10068	19#9	19	0.572	248700	29690	735.7	0.1410
CC-10069	4/0	19	0.528	211500	25250	625.7	0.1658
CC-10070	19#10	19	0.510	197300	24219	583.7	0.1777
CC-10071	7#4	7	0.613	292200	28553	861.0	0.1195
CC-10072	7#5	7	0.546	231600	23906	682.6	0.1508
CC-10073	7#6	7	0.486	183700	19843	541.4	0.1901
CC-10074	7#7	7	0.433	145800	16394	429.6	0.2396
CC-10075	2/0	7	0.414	133100	14972	392.3	0.2624
CC-10076	7#8	7	0.386	115600	13476	340.6	0.3021
CC-10077	1/0	7	0.368	105600	12307	311.1	0.3308
CC-10078	7#9	7	0.343	91610	10938	270.0	0.3812
CC-10079	7#10	7	0.306	72690	8923	214.2	0.4805

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