



40% 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:

40% Conductivity High Strength Copper-Clad Steel Wire is designed for use as guy wires for overhead lines, messengers, or span wires. Features higher 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-10033	19#4	19	1.022	793000	58738	2251.7	0.0331
CC-10034	19#5	19	0.910	628700	48719	1785	0.0418
CC-10035	19#6	19	0.810	498600	40353	1415.8	0.0527
CC-10036	19#7	19	0.722	395600	33373	1123.3	0.0664
CC-10037	19#8	19	0.643	313700	27541	890.8	0.0837
CC-10038	19#9	19	0.572	248700	22681	706.0	0.1057
CC-10039	4/0	19	0.528	211500	19289	600.4	0.1242
CC-10040	19#10	19	0.510	197300	18753	560.2	0.1332
CC-10041	7#4	7	0.613	292200	21640	826.3	0.0896
CC-10042	7#5	7	0.546	231600	17949	655.0	0.1130
CC-10043	7#6	7	0.486	183700	14867	519.6	0.1424
CC-10044	7#7	7	0.433	145800	12295	412.2	0.1795
CC-10045	2/0	7	0.414	133100	11229	376.5	0.1966
CC-10046	7#8	7	0.386	115600	10147	326.9	0.2264
CC-10047	1/0	7	0.368	105600	9266	298.5	0.2479
73610240	7#9	7	0.343	91610	8356	259.1	0.2856
CC-10048	7#10	7	0.306	72690	6909	205.6	0.3600
73610340	2	7	0.258	51700	4971	146.0	0.5054