

BARE COPPER WIRE

TROLLEY WIRE-SILVER BEARING COPPER

DESCRIPTIONS:



Single conductor, solid silver bearing copper having a hard drawn temper, made in the configuration of: round or grooved.

APPLICATIONS:

Trolley wire is used as an overhead power source for electric railroad locomotives, cranes, light rail transit systems, and underground mining motor cars.

STANDARDS:

ASTM B-47, ASTM B-116

	PWC Catalog #	Nominal Conductor Size	Overall Diameter*		Area			Weight			Tensile Strength Minimum		Resistance (68F-20C)			Min. Breaking Strength	
			Inches	Milli-meters	Circular MILS	Square Inches	Square Milli-meters	Pounds Per 1000 Ft	Pounds Per Mile	KG Per KM	Lbs. Per Square Inch	KG Per SQ.MM	OHMS Per 1000 FT	OHMS Per Mi.	OHMS Per KM	POUNDS	Kilo-grams
	ROUND																
	01-0533	1/0 AWG	.3249	8.252	105,600	.0829	53.5	319.5	1,687	475	55,000	38.7	.1011	.53381	.33177	4,560	2,070
	01-0535	2/0 AWG	.3648	9.266	133,100	.1045	67.4	402.8	2,127	599	54,000	38.0	.08021	.42351	.26321	5,840	2,560
	01-0537	3/0 AWG	.4096	10.404	167,800	.1318	85.0	507.8	2,681	755	53,000	37.3	.06362	.33591	.20877	6,990	3,170
	01-0539	4/0 AWG	.4600	11.684	211,600	.1662	107.2	640.5	3,382	953	51,500	36.2	.05405	.26638	.16556	8,560	3,880
	01-0541	300 MCM	.5477	13.911	300,000	.2356	152.0	908.0	4,794	1,350	47,500	33.4	.03558	.18786	.11676	11,200	5,080
	GROOVED																
	01-0543	2/0 AWG	.392	9.956	137,900	.1083	69.9	417.4	2,204	621	53,000	37.3	.07741	.40872	.25402	5,740	2,600
	01-0545	3/0 AWG	.430	10.922	167,300	.1314	84.8	506.4	2,674	753	52,700	37.1	.06380	.33686	.20936	6,920	3,140
	01-0547	4/0 AWG	.482	12.243	212,000	.1665	107.4	641.7	3,388	955	51,300	36.1	.05035	.26585	.16523	8,540	3,870
	01-0549	300 MCM	.574	14.580	299,800	.2355	151.9	907.5	4,792	1,350	48,000	33.7	.03560	.18797	.11682	11,300	5,130
	01-0551	350 MCM	.620	15.748	351,200	.2758	177.9	1063.0	5,613	1,582	44,600	31.4	.03039	.16046	.09973	12,300	5,580

> Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.