

BARE COPPER WIRE

TROLLEY WIRE-COPPER

DESCRIPTIONS:





Single conductor, solid copper, having a hard drawn temper, made in the configuration of: round, grooved, figure 8, or figure 9.

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																
	01-0499	1/0 AWG	.3249	8.252	105,600	.0829	53.5	319.5	1,687	475	54,500	38.3	.1011	.53381	.33177	4,518	2,049
	01-0501	2/0 AWG	.3648	9.266	133,100	.1045	67.4	402.8	2,127	599	52,800	37.1	.08021	.42351	.26321	5,519	2,503
	01-0503	3/0 AWG	.4096	10.404	167,800	.1318	85.0	507.8	2,681	755	51,000	35.9	.06362	.33591	.20877	6,720	3,048
	01-0505	4/0 AWG	.4600	11.684	211,600	.1662	107.2	640.5	3,382	953	49,000	34.5	.05405	.26638	.16556	8,143	3,694
	01-0507	300 MCM	.5477	13.911	300,000	.2356	152.0	908.0	4,794	1,350	46,400	32.6	.03558	.18786	.11676	10,930	4,958
	GROOVED																
	01-0509	2/0 AWG	.392	9.956	137,900	.1083	69.9	417.4	2,204	621	50,200	35.3	.07741	.40872	.25402	5,437	2,466
	01-0511	3/0 AWG	.430	10.922	167,300	.1314	84.8	506.4	2,674	753	48,500	34.1	.06380	.33686	.20936	6,373	2,891
	01-0513	4/0 AWG	.482	12.243	212,000	.1665	107.4	641.7	3,388	955	46,600	32.8	.05035	.26585	.16523	7,759	3,519
	01-0515	300 MCM	.574	14.580	299,800	.2355	151.9	907.5	4,792	1,350	44,200	31.1	.03560	.18797	.11682	10,410	4,722
	01-0517	350 MCM	.620	15.748	351,200	.2758	177.9	1063.0	5,613	1,582	42,800	30.1	.03039	.16046	.09973	11,810	5,357
	FIGURE 8																
	01-0519	1/0 AWG	.420x.312	10.7x7.9	105,600	.0829	53.5	319.7	1,687	475	51,800	36.4	.1011	.53381	.33177	4,296	1,949
	01-0521	2/0 AWG	.480x.352	12.2x8.9	133,100	.1045	67.4	402.9	2,127	599	50,200	35.3	.08020	.42346	.26318	5,248	2,380
	01-0523	3/0 AWG	.510x.400	13.7x10.2	167,800	.1318	85.0	507.9	2,682	755	48,500	34.1	.06361	.33586	.20874	6,392	2,899
	01-0525	4/0 AWG	.600x.450	15.2x11.1	211,600	.1662	107.2	640.5	3,382	953	46,600	32.8	.05045	.26638	.16556	7,744	3,513
	01-0527	350 MCM	.754x.570	19.2x14.5	350,100	.2750	177.4	1060.0	5,595	1,577	42,800	30.1	.03049	.16099	.10001	11,700	5,339
	FIGURE 9																
	01-0529	350 MCM	.707X.496	17.9X12.6	348,900	.2740	176.8	1056.0	5,576	1,571	42,800	30.1	.03059	.16152	.10039	11,730	5,321
	01-0531	400 MCM	.715X.552	18.9X14.0	397,200	.3120	201.3	1202.0	6,348	1,789	41,300	29.0	.02687	.14187	.08817	12,880	5,842

> 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.