



POWER KABEL INC.

TINNED SOFT DRAWN BARE COPPER

APPLICATIONS & FEATURES

Used in overhead electrical transmission and distribution for grounding electrical systems where high conductivity and flexibility is required. Suitable for numerous other applications.

INDUSTRY COMPLIANCES

ASTM B-3² Soft or annealed copper wire

ASTM B-8² Concentric-lay stranded copper conductors: hard, medium-hard, or soft

ASTM B-33² Tinned soft or annealed copper wire

CONSTRUCTION

CONDUCTOR:

Solid or concentric-lay stranded bare copper conductors available in soft temper. Solid or stranded tin coated copper conductors available in soft temper only.

AWG	OUTSIDE DIAMETER (INCHES)	RATED STRENGTH (LBS)	DC RESISTANCE OHMS/1000 FT @ 20°C	ALLOWABLE AMPACITY	APPROX WEIGHT (LBS./1000')
20	0.032	31	10.07	11	3
18	0.0403	49.1	6.39	16	5
16	0.0508	62.1	5.05	22	8
14	0.0641	124.2	2.525	32	13
12	0.0808	197.5	1.588	41	20
10	0.1019	314	0.999	68	32
8	0.1285	479.8	0.628	95	50
6	0.162	762.9	0.395	125	80
4	0.2043	1213	0.249	170	127
3	0.2294	1530	0.197	195	160
2	0.2576	1929	0.156	225	201
1	0.2893	2432	0.124	260	254
1/0	0.3249	2985	0.09825	300	320
2/0	0.3648	3763	0.07793	350	403
3/0	0.4096	4744	0.06182	405	508
4/0	0.46	5983	0.04901	470	641

+Ampacity based on 75°C conductor temperature; 25°C ambient temperature; 2ft./sec. wind in sun.