



# POWER KABEL INC.

## TINNED HARD 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-2<sup>2</sup> Hard-drawn copper wire

ASTM B-8<sup>2</sup> Concentric-lay stranded copper conductors: hard, medium-hard, or soft

ASTM B-33<sup>2</sup> Tinned soft or annealed copper wire

### CONSTRUCTION

**CONDUCTOR:**

Solid or concentric-lay stranded bare copper conductors available in hard 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	53.35	10.56	11	3
18	0.0403	85.46	6.66	16	5
16	0.0508	135	4.18	22	8
14	0.0641	213.5	2.626	32	13
12	0.0808	336.9	1.652	41	20
10	0.1019	529.2	1.039	68	32
8	0.1285	826	0.653	95	50
6	0.162	1280	0.411	125	80
4	0.2043	1970	0.258	170	127
3	0.2294	2439	0.205	195	160
2	0.2576	3003	0.163	225	201
1	0.2893	3688	0.129	260	254
1/0	0.3249	4518	0.1022	300	320
2/0	0.3648	5519	0.08021	350	403
3/0	0.4096	6720	0.06362	405	508
4/0	0.46	8143	0.05045	470	641

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