



POWER KABEL INC.

TINNED MEDIUM 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-22 Medium-hard-drawn copper wire
- ASTM B-8 Concentric-lay stranded copper conductors: hard, medium-hard, or soft
- ASTM B-33 Tinned soft or annealed copper wire

CONSTRUCTION

CONDUCTOR: Solid or concentric-lay stranded bare copper conductors available in medium 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	42.62	10.44	11	3
18	0.0403	67.6	6.61	16	5
16	0.0508	106	4.16	22	8
14	0.0641	166.6	2.613	32	13
12	0.0808	261.2	1.643	41	20
10	0.1019	410.4	1.033	68	32
8	0.1285	643.9	0.65	95	50
6	0.162	1010	0.409	125	80
4	0.2043	1584	0.257	170	127
3	0.2294	1984	0.204	195	160
2	0.2576	2450	0.162	225	201
1	0.2893	3024	0.128	260	254
1/0	0.3249	3731	0.1016	300	320
2/0	0.3648	4599	0.0798	350	403
3/0	0.4096	5666	0.0633	405	508
4/0	0.46	6980	0.05019	470	641

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