



Bare Copper Solid Conductor

Bare or Tinned, Soft (Annealed), Medium Hard, Hard Drawn

Application:

Suitable for use in electrical grounding systems and on insulators for overhead transmission and distribution applications.

Standards:

ASTM Standards:
 B-1 (hard drawn)
 B-2 (medium hard drawn)
 B-3 (soft or annealed)
 B-33 (tinned)
 REA/RUS Approved
 Federal Standard QQ-W-343
 RoHS Compliant

Part Number	Size AWG	Nominal Diameter (inch)	Approx. Net Weight (lb/1000')	Hard Drawn		Medium Hard Drawn		Soft (annealed)		Ampacity*
				Min. Breaking Strength (lbs.)	DC Resistance (OHMS/1000') @ 20°C	Min. Breaking Strength (lbs.)	DC Resistance (OHMS/1000') @ 20°C	DC Resistance (OHMS/1000') @ 20°C		
								Bare	Tinned	
BSOS18	18	0.0403	4.92	85	6.6400	67	6.6100	6.3900	6.6400	-
BSOS16	16	0.0508	7.82	135	4.1800	106	4.1600	4.0200	4.1800	-
BSOS14	14	0.0641	12.43	214	2.6300	167	2.6100	2.5200	2.6200	-
BSOS12	12	0.0808	19.77	337	1.6500	262	1.6400	1.5900	1.6500	-
BSOS10	10	0.1019	31.43	529	1.0390	410	1.0330	0.9988	1.0430	-
BSOS8	8	0.1285	49.98	826	0.6532	644	0.6498	0.6281	0.6426	98
BSOS6	6	0.1620	79.46	1,280	0.4110	1,010	0.4088	0.3952	0.4109	124
BSOS4	4	0.2043	126.40	1,970	0.2584	1,584	0.2571	0.2485	0.2528	155
BSOS2	2	0.2576	200.90	3,002	0.1625	2,450	0.1617	0.1563	0.1580	209
BSOS1	1	0.2893	253.30	3,688	0.1289	3,024	0.1282	0.1239	-	-
BSOS1/0	1/0	0.3249	319.50	4,518	0.1011	3,731	0.1016	0.0982	-	282
BSOS2/0	2/0	0.3648	402.80	5,519	0.0802	4,600	0.0798	0.0779	-	329
BSOS3/0	3/0	0.4096	507.80	6,720	0.0636	5,666	0.0633	0.0618	-	382
BSOS4/0	4/0	0.4600	640.50	8,143	0.0504	6,980	0.0502	0.0490	-	444

* Per NEC Table 310-21. Based on conductor temperature of 80°C; ambient temperature of 40°C; 2 ft./sec. wind.
 NOTE: The data shown is approximate and subject to standard industry tolerances.