



# Bare Copper Solid Conductor

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

**Applications:**

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

**Standards:**

- ASTM B-1 (Hard Drawn)
- ASTM B-2 (Medium Hard Drawn)
- ASTM B-3 (Soft or Annealed)
- ASTM B-33 (Tinned Soft or Annealed)
- REA/RUS Approved
- Federal standard QQ-W-343
- RoHS Compliant

Part Number	Size AWG or MCM	Nominal Dia. (inch)	Approx. Net Weight per 1000ft. (lbs.)	Hard Drawn		Medium Hard Drawn		Soft (Annealed)		Ampacity*
				Min. Breaking Strength (lbs.)	DC Resistance (Ohms/1000ft.) @ 20° C	Min. Breaking Strength (lbs.)	DC Resistance (Ohms/1000 ft.) @ 20° C	DC Resistance (Ohms/1000ft.) @ 20° C		
								Bare	Tinned	
BSOS18	18	.0403	4.985	85	6.6400	67	6.6100	6.3900	6.6400	-
BSOS16	16	.0508	7.800	135	4.1800	106	4.1600	4.0200	4.1800	-
BSOS14	14	.0641	12.400	214	2.6300	167	2.6100	2.5200	2.6200	-
BSOS12	12	.0808	19.800	337	1.6500	262	1.6400	1.5900	1.6500	-
BSOS10	10	.1019	31.400	529	1.0390	410	1.0330	.9988	1.0430	-
BSOS8	8	.1285	50.000	826	.6532	644	.6498	.6281	.6426	98
BSOS6	6	.1620	79.400	1,280	.4110	1010	.4088	.3952	.4109	124
BSOS4	4	.2043	126.400	1,970	.2584	1584	.2571	.2485	.2528	155
BSOS2	2	.2576	200.900	3,002	.1625	2450	.1617	.1563	.1580	209
BSOS1	1	.2893	253.300	3,688	.1289	3024	.1282	.1239	-	-
BSOS1/0	1/0	.3249	319.500	4,518	.1011	3731	.1016	.0982	-	282
BSOS2/0	2/0	.3648	402.800	5,519	.0802	4600	.0798	.0779	-	329
BSOS3/0	3/0	.4096	507.800	6,720	.0636	5666	.0633	.0618	-	382
BSOS4/0	4/0	.4600	640.500	8,143	.0504	6980	.0502	.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. 2011