ServiceWire Co.
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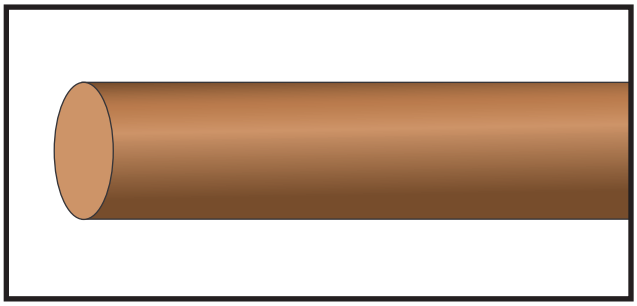

Bare Copper Solid Conductor

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	
SOLID BARE COPPER	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.

servicewire.com

Phoenix, AZ
877-623-9473

Culloden, WV
800-624-3572

Houston, TX
800-231-9473