Solid

Product Description

Hard drawn and annealed, 40% and 30% conductivity copper-clad steel wire. Tempers available: high-strength (HS), extra-high-strength (EHS), or dead-soft annealed (DSA).

Application

Ground wires; telephone, telegraph, and railway signal line.

Product Data

Solid Bare Copper-Clad Steel

Size (AWG)	Diameter (inches)	Breaking Load (Lbs)				Weight		Resistance	
		40% Conductivity		30% Conductivity		Lbs. per 1,000 Ft	Lbs. per Mile	Ohms per 1,000Ft. At 68°F.	
		Hard Drawn Minimun	Annealed Approx.	Hard Drawn Minimun	Annealed Approx.			40% Conductivity	30% Conductivity
4	.2043	2,750	1,480	2,950	1,640	115.8	611.6	.6337	.8447
5	.1819	2,260	1,170	2,420	1,300	91.86	485.0	.7990	1.065
6	.1620	1,865	930	2,000	1,030	72.85	384.6	1.008	1.343
7	.1443	1,540	740	1,630	820	57.77	305.0	1.270	1.694
8	.1285	1,265	580	1,350	650	45.81	241.9	1.602	2.136
9	.1144	1,040	460	1,110	510	36.33	191.8	2.020	2.693
10	.1019	850	370	925	410	28.81	152.1	2.547	3.396
11	.09074	700	320	765	360	22.85	120.6	3.213	4.284
12	.08081	575	260	625	280	18.12	95.68	4.051	5.399

Copper-Clad Steel Tie Wire

Size (AWG)	Diameter (inches)	Weight lbs. per 1,000 Ft.	Approximate Number of Feet Per Pound	Approximate Number of Tie Wires in 10-Pound Package for Lengths of				
				24'	26'	28'	30'	32'
8	.1285	45.81	21.8	140	126	118	110	102
9	.1144	36.33	27.5	138	126	118	110	102
10	.1019	28.81	34.7	174	160	148	138	130
11	.9007	22.85	43.7	220	202	186	176	164
12	.0808	18.12	55.2	274	256	236	220	206

+Also available with HMW Polyethylene covering.

Specification Data

ASTM B-227	Hard drawn copper-clad steel wire
ASTM B-910	Annealed copper-clad steel wire
