

Static wire, or overhead ground wire, is a form of lightning protection for power and data transmission lines. Provide reliable support with Bekaert durable and high-quality steel static strand. Bekaert offers a variety of strengths and coatings and specifications including CSA-G12 for the Canada market.

Specifications [Imperial, per [CAN/CSA-G12 \(Latest Edition\)](#)]

Designated strand size (in)	Nominal strand wire diameter (in)	Nominal wire diameter (in*)	Nominal metallic cross-sectional area of the strand (in ²)	Number of wires	Approx. weight (lb/1000 ft)	Minimum breaking strength, lb				Minimum weight of zinc-coating (oz/ft ²)		
						Grade 110	Grade 160	Grade 180	Grade 220	Class A	Class B	Class C
3/16	0.195	0.065	0.0230	7	79.0	2,400	3,500	4,000	4,800	0.50	1.00	1.50
1/4	0.249	0.083	0.0380	7	129	3,900	5,700	6,400	7,900	0.60	1.20	1.80
9/32	0.285	0.095	0.0500	7	169	5,200	7,500	8,500	10,300	0.70	1.40	2.10
5/16	0.327	0.109	0.0650	7	223	6,800	9,900	11,100	13,600	0.80	1.60	2.40
3/8	0.36	0.12	0.0790	7	270	8,200	12,000	13,500	16,500	0.85	1.70	2.55
7/16	0.432	0.144	0.114	7	389	11,900	17,300	19,500	23,800	0.90	1.80	2.70
1/2	0.495	0.165	0.150	7	511	15,600	22,700	25,500	31,200	0.90	1.80	2.70
9/16	0.564	0.188	0.194	7	664	20,300	29,500	33,200	40,600	1.00	2.00	3.00
5/8	0.621	0.207	0.235	7	813	24,600	35,800	40,200	49,200	1.00	2.00	3.00
9/16	0.569	0.113/0.117	0.191	19	657	18,900	27,500	30,900	37,800	0.80	1.60	2.40
5/8	0.634	0.125/0.134	0.235	19	806	23,000	33,600	37,700	46,100	0.85	1.70	2.55
11/16	0.688	0.136/0.144	0.278	19	954	27,500	40,000	45,000	55,000	0.85/0.90	1.70/1.80	2.55/2.70
3/4	0.762	0.150/0.162	0.339	19	1,163	33,500	48,700	54,800	67,000	0.90	1.80	2.70
13/16	0.815	0.161/0.171	0.389	19	1,338	38,700	56,000	63,100	77,100	0.90	1.80	2.70
7/8	0.894	0.177/0.186	0.470	19	1,613	46,200	67,300	75,700	92,500	0.90	1.80	2.70
15/16	0.94	0.186/0.196	0.519	19	1,784	51,400	74,700	84,100	102,800	0.90/1.00	1.80/2.00	2.70/3.00

*In the construction of 19-wire strands, the smaller nominal wire size applies to the 6 and 12-wire layers and the larger nominal wire size applies to the center wire.

Specifications [SI Units, per CAN/CSA-G12 (Latest Edition)]

Designated strand size (mm)	Nominal strand wire diameter (mm)	Nominal wire diameter (mm*)	Nominal metallic cross-sectional area of the strand (mm ²)	Number of wires	Approx. weight (kg/1000m)	Minimum breaking strength, kN				Minimum weight of zinc-coating (g/m ²)		
						Grade 800	Grade 1100	Grade 1300	Grade 1500	Class A	Class B	Class C
5	5.10	1.70	15.9	7	130	12.0	16.5	19.5	22.5	150	300	450
6	6.30	2.10	24.2	7	190	18.0	25.0	30.0	34.5	150	300	450
7	7.20	2.40	31.7	7	250	24.0	33.0	39.0	45.0	180	360	540
8	8.40	2.80	43.1	7	340	33.0	45.0	53.0	61.5	244	488	730
9	9.00	3.00	49.5	7	390	37.5	52.0	61.0	70.5	244	488	730
10	10.8	3.60	71.3	7	560	54.0	74.5	88.0	102	259	519	780
12	12.6	4.20	97.0	7	760	74.0	101	120	138	275	549	825
14	14.4	2.80/3.20	119	19	930	85.5	118	139	161	244/259	488/519	730/780
16	16.2	3.20/3.40	154	19	1,210	110	152	180	208	259	519	780
18	18.2	3.60/3.80	195	19	1,530	140	193	228	263	259/275	519/549	780/825
20	20.2	4.00/4.20	240	19	1,890	173	238	281	324	275	549	825
22	22.2	4.40/4.60	290	19	2,280	209	287	340	392	275	549	825
24	24.2	4.80/5.00	345	19	2,710	249	342	404	466	305	610	915

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Contact us

More Information?

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