BEKAERT

better together

Telecom Strands Datasheet

Bekaert offers the broadest range of steel wire products for the United States and Canada Telecommunications markets. Our portfolio includes 3, 7 and 19 wire strands as well as utility staples. As a one-stop shop for utility products, we customize the coating, tensile strength, and offer custom-cut sizes all with color coated end-caps for grade identification, on reels or coils.

Specifications [imperial, per **CAN/CSA-G12-14 (R-2019)**]

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)	Medium Breaking Load, lb				Minimum weight of zinc-coating (oz/ft^2)
						Grade 110	Grade 160	Grade 180	Grade 220	Class A
3/16	0.195	0.065	0.023	7	79	2,400	3,500	4,000	4,800	0.50
1/4	0.249	0.083	0.038	7	129	3,900	5,700	6,400	7,900	0.60
9/32	0.285	0.095	0.050	7	169	5,200	7,500	8,500	10,300	0.70
5/16	0.327	0.109	0.065	7	223	6,800	9,900	11,100	13,600	0.80
3/8	0.360	0.120	0.079	7	270	8,200	12,000	13,500	16,500	0.85
7/16	0.432	0.144	0.114	7	389	11,900	17,300	19,500	23,800	0.90
1/2	0.495	0.165	0.150	7	511	15,600	22,700	25,500	31,200	0.90
9/16	0.564	0.188	0.194	7	664	20,300	29,500	33,200	40,600	1.00
9/16	0.569	0.113/.117	0.191	19	657	18,900	27,500	30,900	37,800	0.85/0.90
5/8	0.621	0.207	0.235	7	813	24,600	35,800	40,200	49,200	1.00
5/8	0.634	0.125/.134	0.235	19	806	23,000	33,600	37,700	46,100	0.85
11/16	0.688	0.136/.144	0.278	19	954	27,500	40,000	45,000	55,000	0.85/0.90
3/4	0.762	0.150/.162	0.339	19	1,163	33,500	48,700	54,800	67,000	0.90
13/16	0.815	0.161/.171	0.389	19	1,338	38,700	56,000	63,100	77,100	0.90
7/8	0.894	0.177/.186	0.470	19	1,613	46,200	67,300	75,700	92,500	0.90
15/16	0.940	0.186/.196	0.519	19	1,784	51,400	74,700	84,100	102,800	0.196/1.00

*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 [metric, per **CAN/CSA-G12-14 (R-2019)**]

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. mass (kg/1000 m)	Medium Breaking Load, lb				Minimum weight of coating (g/m^2)
						Grade 800	Grade 1100	Grade 1300	Grade 1500	Class A
5	5.1	1.7	15.9	7	130	12.0	16.5	19.5	22.5	150
6	6.3	2.1	24.2	7	190	18.0	25.0	30.0	34.5	180
7	7.2	2.4	31.7	7	250	24.0	33.0	39.0	45.0	215
8	8.4	2.8	43.1	7	340	33.0	45.0	53.0	61.5	245
9	9.0	3.0	49.5	7	390	37.5	52.0	61.0	70.5	245
10	10.8	3.6	71.3	7	560	54.0	74.5	88.0	101.5	260
12	12.6	4.2	97	7	760	74.0	101.0	120.0	138.0	275
14	14.4	2.8/3.2	118.9	19	930	85.5	118.0	139.0	160.5	245/260
16	16.2	3.2/3.4	153.8	19	1,210	110.0	152.0	180.0	207.5	260
18	18.2	3.6/3.8	194.6	19	1,530	140.0	192.5	227.5	263.0	260/275
20	20.2	4.0/4.2	0.240.0	19	1,890	173.0	237.5	281.0	324.0	275
22	22.2	4.4/4.6	290.3	19	2,280	209.0	287.0	339.5	392.0	275
24	24.2	4.8/5.0	345.4	19	2,710	248.5	342.0	404.0	466.0	305

*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.

Quality

Made in the USA

ISO 14001 certified

ISO 9001 certified

Contact Us

More Information?

1395 South Marietta Parkway,
Building 500, Suite 100
Marietta, Georgia 30067, USA
770.514.2219

www.bekaert.com/power-utilities