

Shield Wire

Product Description

Concentric-lay-stranded conductors made of aluminum-clad steel wires.

Application

Commonly used for overhead shield wire in high corrosion areas such as industrial, seashore, and desert environments.

Product Data

Size Nos/AWG	Individual Wire Diameter (in.)	Stranded Diameter (in.)	Breaking Load (lb.)	Weight (lb./1,000 ft.)	Resistance at 20°C (Ω/1,000 ft.)	Cross Section	
						(C mils.)	(In ²)
37/5	.1819	1.27	142,800	2,802	0.04247	1,225,000	0.9619
37/6	.1620	1.13	120,200	2,222	0.05356	971,300	0.7629
37/7	.1443	1.01	100,700	1,762	0.06754	770,300	0.6050
37/8	.1285	.899	84,200	1,398	0.08516	610,900	0.4798
37/9	.1144	.801	66,700	1,108	0.1074	484,400	0.3805
37/10	.1019	.713	52,950	879	0.1354	384,200	0.3017
19/5	.1819	.910	73,350	1,430	0.08224	628,900	0.4940
19/6	.1620	.810	61,700	1,134	0.1037	498,800	0.3917
19/7	.1443	.721	51,730	889.5	0.1308	395,500	0.3107
19/8	.1285	.642	43,240	713.5	0.1649	313,700	0.2464
19/9	.1144	.572	34,290	565.8	0.2079	248,800	0.1954
19/10	.1019	.509	27,190	448.7	0.2622	197,300	0.1549
7/5	.1819	.546	27,030	524.9	0.2264	231,700	0.1820
7/6	.1620	.486	22,730	416.3	0.2803	183,800	0.1443
7/7	.1443	.433	19,060	330.0	0.3535	145,700	0.1145
7/8	.1285	.385	15,930	261.8	0.4458	115,600	0.09077
7/9	.1144	.343	12,630	207.6	0.5621	91,650	0.07198
7/10	.1019	.306	10,020	164.7	0.7088	72,680	0.05708
7/11	.0907	.272	7,945	130.6	0.8938	57,590	0.04523
7/12	.0808	.242	6,301	103.6	1.127	45,710	0.03590
3/5	.1819	.392	12,230	224.5	0.5177	99,310	0.07800
3/6	.1620	.349	10,280	178.1	0.6528	78,750	0.06185
3/7	.1443	.311	8,621	141.2	0.8232	62,450	0.04905
3/8	.1285	.277	7,206	112.0	1.038	49,530	0.03890
3/9	.1144	.247	5,715	88.81	1.309	39,280	0.03085
3/10	.1019	.220	4,532	70.43	1.651	31,150	0.02446

*Manufactured with pride in DeKalb, IL USA.

Specification Data

ASTM B-416