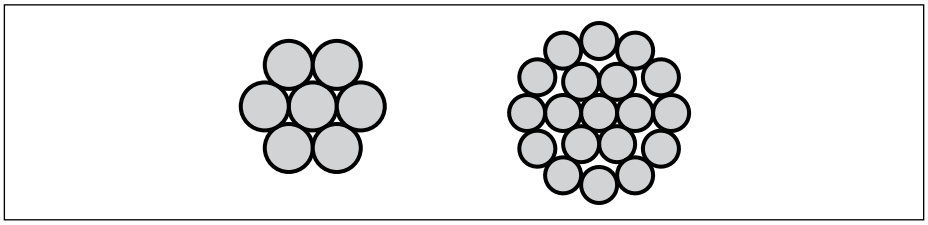
Steel Overhead Ground Wire and Steel Guy Wire

Product Construction:

Complete Conductor:

Steel overhead ground wire and steel guy wire are concentric-lay-stranded constructions.

Steel overhead ground wire and steel guy wire are manufactured in accordance with the requirements of CSA specification G12.



Features and Benefits:

The steel wires are protected from corrosion by galvanizing. The standard Class A zinc coating is adequate for ordinary environments.

Applications:

Steel overhead ground wires are used for in-air applications under tension. Guy wires are used for structure tension applications, shield wires, static wires, overhead ground wires, messengers, span wires, etc. For overhead applications, CSA G12 does not permit splices in any of the steel strand wires.

For more information, or information on other conductor sizes, designs and/or specific installation requirements not shown in the tables, contact your General Cable sales representative or e-mail at infoca@generalcable.com.

DIMENSIONS – CONCENTRIC LAY STRANDING (SI UNITS)

STRAND DESIGNATION	NOMINAL STRAND DIAMETER (mm)	NO. OF WIRES	NOMINAL WIRE DIAMETER (mm)	NOMINAL CENTER WIRE DIAMETER (mm)	RATED STRENGTH (kN)				APPROX. WEIGHT (KG/KM)
					GR 800	GR 1100	GR 1300	GR 1500	
5	5.10	7	1.70	--	12.0	16.5	19.5	22.5	130
6	6.30	7	2.10	--	18.0	25.0	30.0	34.5	190
7	7.20	7	2.40	--	24.0	33.0	39.0	45.0	250
8	8.40	7	2.80	--	33.0	45.0	53.0	61.5	340
9	9.00	7	3.00	--	37.5	52.0	61.0	70.5	390
10	10.8	7	3.60	--	54.0	74.5	88.0	102	560
12	12.6	7	4.20	--	74.0	101	120	138	760
14	14.4	19	2.80	3.20	85.5	118	139	161	930
16	16.2	19	3.20	3.40	110	152	180	208	1210
18	18.2	19	3.60	3.80	140	193	228	263	1530
20	20.2	19	4.00	4.20	173	238	281	324	1890
22	22.2	19	4.40	4.60	209	287	340	392	2280
24	24.2	19	4.80	5.00	249	342	404	466	2710
26	26.8	19	5.30	5.60	304	418	493	569	3310

DIMENSIONS – CONCENTRIC LAY STRANDING (US CUSTOMARY UNITS)

STRAND DESIGNATION	NOMINAL STRAND DIAMETER (INCHES)	NO. OF WIRES	NOMINAL WIRE DIAMETER (INCHES)	NOMINAL CENTER WIRE DIAMETER (INCHES)	RATED STRENGTH (LBS)				APPROX. WEIGHT (LBS/1000 FT)
					GR 110	GR 160	GR 180	GR 220	
3/16	0.195	7	0.065	--	2,400	3,500	4,000	4,800	79
1/4	0.249	7	0.083	--	3,900	5,700	6,400	7,900	129
9/32	0.285	7	0.095	--	5,200	7,500	8,500	10,300	169
5/16	0.327	7	0.109	--	6,800	9,900	11,100	13,600	223
3/8	0.36	7	0.12	--	8,200	12,000	13,500	16,500	270
7/16	0.432	7	0.144	--	11,900	17,300	19,500	23,800	389
1/2	0.495	7	0.165	--	15,600	22,700	25,500	31,200	511
9/16	0.564	7	0.188	--	20,300	29,500	33,200	40,600	664
5/8	0.621	7	0.207	--	24,600	35,800	40,200	49,200	813
9/16	0.569	19	0.113	0.117	18,900	27,500	30,900	37,800	657
5/8	0.634	19	0.125	0.134	23,000	33,600	37,700	46,100	806
11/16	0.688	19	0.136	0.144	27,500	40,000	45,000	55,000	954
3/4	0.762	19	0.150	0.162	33,500	48,700	54,800	67,000	1163
13/16	0.815	19	0.161	0.171	38,700	56,000	63,100	77,100	1338
7/8	0.894	19	0.177	0.186	46,200	67,300	75,700	92,500	1613
15/16	0.94	19	0.186	0.196	51,400	74,700	84,100	102,800	1784
1	1.01	19	0.200	0.208	59,100	85,900	96,700	118,110	2057

Dimensions and weights not designated minimum or maximum are nominal values and subject to manufacturing tolerances.
In this context, weight means mass.