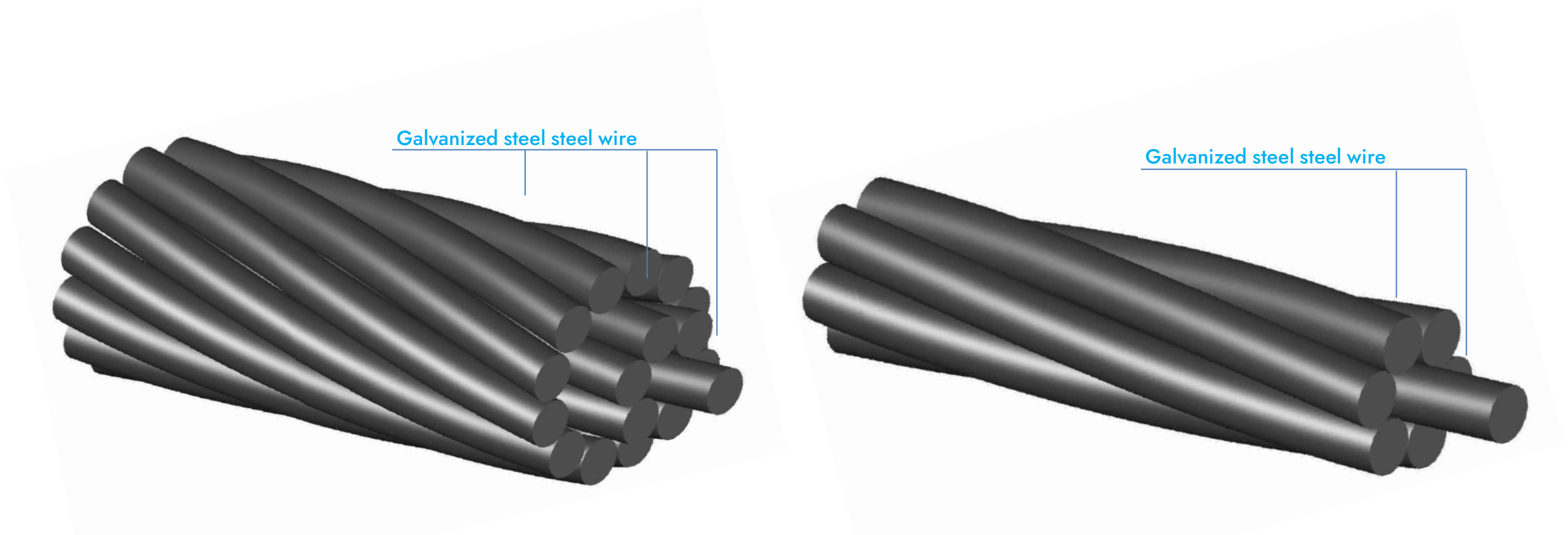


GALVANIZED STEEL WIRE EARTHWIRE / STAYWIRE / GUYWIRE / SPACER CABLE (GSW)

Galvanized Clad steel wire earthwire/staywire/guywire/spacer cable (GSW): GSW Earth Wire, Stay Wire, Guy Wires, Spaces Cables, etc. are used as overhead ground wire or static wire on transmission lines, as pole or structure guy wires, and as messenger cable for field-erected aerial cable.

Construction

Galvanized steel Wires, concentrically stranded over a central wire of Galvanized steel wire.



- Concentrically stranded Galvanized steel wire strand available in class "A", "B" and "C" Zinc Coating.
- "A" being the least heavy and "C" being the most heavy.
- Application : Construction, Overhead, Industrial, Power Station.

GALVANIZED STEEL WIRE EARTHWIRE / STAYWIRE / GUYWIRE / SPACER CABLE (GSW) -BS 183

Sectional Area	Stranding		Diameter of EARTHWIRE	Weight	Rated Strength						
	No. of Wires	Individual wire diameter			Grade 350	Grade 480	Grade 700	Grade 850	Grade 1000	Grade 1150	Grade 1300
mm ²	No.	mm	mm	Kg/km	KN	KN	KN	KN	KN	KN	KN
7.63	3	1.80	3.90	60.00	2.65	3.66	-	-	-	-	-
16.55	3	2.65	5.70	130.00	5.80	7.95	-	-	-	-	-
24.89	3	3.25	7.00	195.00	8.70	11.95	-	-	-	-	-
37.70	3	4.00	8.60	295.00	13.20	18.10	-	-	-	-	-
10.18	4	1.80	4.40	80.00	3.55	4.90	-	-	-	-	-
22.06	4	2.65	6.40	172.00	7.70	10.60	-	-	-	-	-
33.18	4	3.25	7.90	260.00	11.60	15.90	-	-	-	-	-
50.27	4	4.00	9.70	390.00	17.60	24.10	35.20	-	-	-	-
8.84	5	1.50	4.10	69.00	3.10	4.24	6.18	-	-	-	-
12.72	5	1.80	4.90	95.00	4.45	6.10	8.90	-	-	-	-
27.58	5	2.65	7.20	220.00	9.65	13.25	19.30	-	-	-	-
41.48	5	3.25	8.80	320.00	14.50	19.90	29.00	-	-	-	-
62.83	5	4.00	10.80	490.00	22.00	30.15	43.95	-	-	-	-
1.72	7	0.56	1.70	14.00	0.60	0.83	1.20	-	1.70	1.98	2.24
2.77	7	0.71	2.10	28.00	0.97	1.33	1.94	-	2.75	3.19	3.60
3.97	7	0.85	2.60	31.00	1.39	1.90	2.80	-	3.95	4.57	5.15
4.45	7	0.90	2.70	35.00	1.55	2.14	3.10	-	4.45	5.12	5.80
5.50	7	1.00	3.00	43.00	1.92	2.64	3.85	-	5.50	6.32	7.15
8.59	7	1.25	3.80	67.00	3.01	4.10	6.00	-	8.55	9.88	11.15
10.78	7	1.40	4.20	84.00	3.75	5.17	7.54	9.16	10.75	12.35	14.00
11.24	7	1.43	4.30	86.00	3.85	5.28	7.70	9.35	11.00	12.65	14.30
14.07	7	1.60	4.80	110.00	4.90	6.75	9.85	11.95	14.10	16.20	18.30
17.81	7	1.80	5.40	140.00	6.23	8.55	12.45	-	17.80	20.50	23.20
21.99	7	2.00	6.00	170.00	7.70	10.55	15.40	-	22.00	25.30	38.60
30.62	7	2.36	7.10	240.00	10.70	14.70	21.40	-	30.60	35.20	39.80
38.61	7	2.65	8.00	300.00	13.50	18.50	27.00	-	38.60	44.40	50.20
49.48	7	3.00	9.00	392.00	17.30	23.75	34.65	-	49.50	56.90	64.30
54.55	7	3.15	9.50	430.00	19.10	26.20	38.20	-	54.55	62.75	70.90
58.07	7	3.25	9.80	460.00	20.30	27.85	40.65	-	58.05	66.80	75.50
73.24	7	3.65	11.00	570.00	25.60	35.15	51.25	-	73.25	84.20	95.20
87.96	7	4.00	12.00	690.00	30.90	42.20	61.60	-	88.00	101.00	114.00
99.30	7	4.25	12.80	780.00	34.75	47.65	69.50	-	99.30	114.00	129.00
124.04	7	4.75	14.00	970.00	43.40	59.45	86.80	-	124.00	142.70	161.30
14.92	19	1.00	5.00	120.00	5.22	7.16	10.45	-	14.92	17.16	19.40
23.32	19	1.25	6.30	180.00	8.16	11.19	16.32	-	23.32	26.81	30.31
29.25	19	1.40	7.00	230.00	10.24	14.04	14.04	-	29.25	33.64	38.02
38.20	19	1.60	8.00	300.00	13.37	18.34	26.75	-	38.20	43.93	49.66
59.69	19	2.00	10.00	470.00	20.90	28.65	41.78	50.7	59.69	68.64	77.60
93.27	19	2.50	12.50	730.00	32.65	44.80	65.29	79.3	93.27	107.30	121.30
134.30	19	3.00	15.00	1050.00	47.00	64.50	94.00	114.1	134.30	154.50	174.60
188.06	19	3.55	17.80	1470.00	65.80	90.27	131.60	159.9	188.00	216.30	244.50
238.76	19	4.00	20.00	1870.00	83.55	114.60	167.10	203.0	238.70	274.60	310.40
336.69	19	4.75	23.80	2630.00	117.85	161.60	235.70	286.0	336.70	387.20	437.70

GALVANIZED STEEL WIRE EARTHWIRE / STAYWIRE / GUYWIRE / SPACER CABLE (GSW) - GOST 3063

Sectional Area mm ²	Stranding		Diameter of EARTHWIRE mm	Weight Kg/km	Rated Strength					
	Center wire 1 wire	Inside Layer 18 wire			1370 KN	1570 KN	1670 KN	1770 KN	1880 KN	1960 KN
29.48	1.50	1.4	7.10	253.00	36.35	41.55	44.100	45.850	48.000	50.500
33.82	1.60	1.5	7.60	290.50	41.65	47.65	50.550	52.750	55.050	60.400
38.46	1.70	1.6	8.10	330.00	44.40	54.20	57.600	59.950	62.600	65.900
43.4	1.80	1.7	8.60	372.50	53.55	61.20	65.000	67.700	70.650	74.400
48.64	1.90	1.8	9.10	417.50	59.95	68.60	72.850	75.900	79.200	83.300
60.35	2.20	2	10.00	519.00	74.45	85.10	94.100	93.500	98.000	102.400
72.95	2.40	2.2	11.00	627.40	89.95	102.00	109.000	112.500	118.500	123.500
86.74	2.60	2.4	12.00	746.00	106.00	122.00	129.000	134.000	140.500	147.000
101.72	2.80	2.6	13.00	873.00	124.50	143.00	151.500	158.000	165.000	173.500
117.9	3.00	2.8	14.00	1050.00	145.50	166.00	176.000	183.500	190.000	200.500
135.28	3.20	3	15.00	1160.00	166.50	190.00	202.000	210.500	220.000	231.500
153.84	3.40	3.2	16.00	1320.00	189.50	216.50	226.000	236.500	-	-
173.60	3.60	3.4	17.00	1490.00	214.00	244.50	255.500	267.500	-	-
216.7	4.00	3.8	19.00	1855.00	267.00	305.00	318.500	334.000	-	-

GALVANIZED STEEL WIRE EARTHWIRE / STAYWIRE / GUYWIRE / SPACER CABLE (GSW) -ASTM A 475

Sectional Area	Stranding		Diameter of EARTHWIRE	Weight	Rated Strength				
	No. of Wires	Individual wire diameter			Common Grade	Siemens Martin Grade	High Strength Grade	Extra High Strength Grade	UTILITY GRADE
mm ²	No.	mm	mm	Kg/km	KN	KN	KN	KN	KN
5.95	7	1.04	3.18	48.00	2.402	4.048	5.916	8.140	-
9.58	7	1.32	3.97	76.00	3.870	6.539	6.539	13.078	-
13.55	7	1.57	4.76	109.00	5.115	8.452	12.677	17.748	-
14.97	7	1.65	4.76	119.00	-	-	-	-	10.676
16.42	3	2.64	5.56	131.00	6.228	10.409	15.569	21.796	-
18.41	7	1.83	5.56	146.00	6.850	11.387	17.126	24.020	-
21.92	3	3.05	6.35	174.00	8.274	13.523	21.040	29.981	14.01
21.92	3	3.05	6.35	174.00	-	-	-	-	20.02
22.66	7	2.03	6.35	180.00	8.452	14.012	21.129	29.581	-
25.66	3	3.30	7.14	204.00	9.252	15.035	23.398	33.362	-
30.62	7	2.36	7.14	244.00	11.432	18.905	28.469	39.812	20.46
31.91	3	3.68	7.94	255.00	11.076	18.193	28.246	40.479	-
38.32	7	2.64	7.94	305.00	14.234	23.798	35.586	49.820	-
42.18	7	2.77	7.94	335.00	-	-	-	-	26.69
41.37	3	4.19	9.52	328.00	14.813	24.732	37.187	52.489	37.81
51.14	7	3.05	9.52	402.00	18.905	30.915	48.040	68.503	51.16
74.45	7	3.68	11.11	595.00	25.355	41.591	64.499	92.523	80.07
96.52	7	4.19	12.70	770.00	32.917	53.823	83.627	119.657	111.21
96.27	19	2.54	12.70	751.00	33.895	56.492	84.961	118.768	-
125.62	7	4.78	14.29	1000.00	42.703	69.837	108.981	155.688	-
122.92	19	2.87	14.29	949.00	42.881	71.616	107.202	149.905	-
152.11	7	5.26	15.88	1211.00	51.599	84.961	131.667	188.605	-
150.90	19	3.18	15.88	1186.00	48.930	80.513	124.995	178.819	-
216.62	19	3.81	19.05	1721.00	71.172	116.543	181.487	259.331	-
302.18	19	4.50	22.22	2356.00	97.416	159.691	248.211	354.523	-
385.10	19	5.08	25.40	3089.00	127.66	209.07	325.61	464.8	-
382.92	37	3.63	25.40	3065.00	125.89	205.51	319.83	456.8	-
486.12	37	4.09	28.58	4010.00	160.14	262.00	407.46	581.8	-
601.61	37	4.55	31.75	4840.00	198.39	324.72	505.32	721.5	-

GALVANIZED STEEL WIRE EARTHWIRE / STAYWIRE / GUYWIRE / SPACER CABLE (GSW) - ASTM A 363

Sectional Area	Stranding		Diameter of EARTHWIRE	Weight	Rated Strength				
	No. of Wires	Individual wire diameter			High Strength Grade	Extra High Strength Grade	UTILITY GRADE		
mm ²	No.	mm	mm	Kg/km	KN	KN	KN		
31.91	3	3.68	7.94	255.00	-	-	28.90		
38.32	7	2.64	7.94	305.00	35.60	49.8	-		
51.14	7	3.05	9.52	407.00	48.00	68.4	51.20		
74.45	7	3.68	11.11	595.00	64.50	92.5	-		
96.52	7	4.19	12.70	770.00	83.60	119.6	-		

GALVANIZED STEEL WIRE EARTHWIRE / STAYWIRE / GUYWIRE / SPACER CABLE (GSW) - DIN 48201

Nominal Area	Sectional Area	Stranding		Diameter of EARTHWIRE	Weight	Rated Strength			
		No. of Wires	Individual wire diameter			ST I	ST II	ST III	ST IV
mm ²	mm ²	No.	mm	mm	Kg/km	KN	KN	KN	KN
25	24.25	7	2.10	6.30	192.00	8.98	15.90	30.18	36.17
35	34.36	7	2.50	7.50	272.00	12.73	22.52	42.76	51.25
50	49.48	7	3.00	9.00	391.00	18.33	32.43	61.58	73.80
50	48.35	19	1.80	9.00	384.00	17.91	31.69	60.17	72.11
70	65.81	19	2.10	10.50	522.00	24.38	43.14	81.90	98.16
95	93.27	19	2.50	12.50	741.00	34.56	61.14	116.07	139.11
120	116.99	19	2.80	14.00	929.00	43.34	76.69	145.59	174.49

GALVANIZED STEEL WIRE EARTHWIRE / STAYWIRE / GUYWIRE / SPACER CABLE (GSW) - IS 12776

Sectional Area	Stranding		Diameter of EARTHWIRE	Weight	Rated Strength		
	No. of Wires	Individual wire diameter			Grade 981	Grade 1100	Grade 1310
mm ²	No.	mm	mm	Kg/km	KN	KN	KN
49.48	7	3.00	9.00	386.00	43.70	49.00	58.30
54.55	7	3.15	9.45	426.00	48.20	54.00	64.30
58.07	7	3.25	9.75	454.00	51.30	57.50	68.50
60.96	7	3.33	9.99	476.00	53.80	60.40	71.90
73.65	7	3.66	10.98	575.00	65.00	72.90	86.80
87.96	7	4.00	12.00	687.00	77.70	87.10	104.00

GALVANIZED STEEL WIRE EARTHWIRE / STAYWIRE / GUYWIRE / SPACER CABLE (GSW) -IS 2141

Sectional Area	Stranding		Diameter of EARTHWIRE	Weight	Rated Strength				
	No. of Wires	Individual wire diameter			Grade 1770	Grade 1570	Grade 1100	Grade 700	'Grade 450
mm ²	No.	mm	mm	Kg/km	KN	KN	KN	KN	KN
23.38	3	3.15	6.79	-	40.10	35.60	24.90	15.90	10.20
31.17	4	3.15	7.60	-	52.40	46.50	32.60	20.70	13.30
2.01	4	0.80	2.40	-	5.50	4.90	3.40	2.20	1.40
4.91	4	1.25	3.75	-	13.50	12.00	8.40	5.40	3.40
3.14	4	1.00	4.80	-	22.20	19.70	13.80	8.80	5.60
12.57	4	2.00	6.00	-	34.70	30.80	21.60	13.70	8.80
27.59	7	2.24	6.72	-	43.50	38.60	27.00	17.20	11.10
34.36	7	2.50	7.50	-	54.20	48.10	33.70	21.40	13.80
54.55	7	3.15	9.45	-	86.00	76.30	53.50	34.00	21.90
87.96	7	4.00	12.00	-	139.00	123.00	86.20	54.90	35.30
3.52	7	0.80	4.00	-	14.90	13.20	9.20	5.90	3.80
8.59	7	1.25	6.25	-	36.30	32.20	22.60	14.40	9.20
14.07	7	1.60	8.00	-	59.50	52.80	37.00	23.50	15.10
59.69	19	2.00	10.00	-	93.00	82.50	57.80	36.80	23.60
74.88	19	2.24	11.20	-	117.00	103.00	72.50	46.10	29.70
93.27	19	2.50	12.50	-	145.00	129.00	90.30	57.50	36.90
238.76	19	4.00	20.00	-	372.00	330.00	231.00	147.00	94.60
9.55	19	0.80	5.60	-	28.80	25.50	17.90	11.40	7.30
23.32	19	1.25	8.75	-	70.30	62.30	43.70	27.80	17.90
38.20	19	1.60	11.20	-	115.00	102.00	71.50	45.50	29.30
116.24	37	2.00	14.00	-	180.00	160.00	112.00	71.10	45.70
145.81	37	2.24	15.68	-	226.00	200.00	140.00	89.20	57.40
181.62	37	2.50	17.50	-	281.00	249.00	175.00	111.00	71.40
288.35	37	3.15	22.05	-	446.00	396.00	277.00	176.00	113.00
464.96	37	4.00	28.00	-	719.00	638.00	447.00	284.00	183.00