

## SPECIFICATIONS AND STANDARDS

GSW Stranded Conductor meets or exceeds **BS-183**



## CONSTRUCTION

CCS stranded Conductor is composed of galvanized steel wires in various strengths and zinc coatings, **Finish Coatings** : Class A, B and C and Aluzinc (5% Aluminum and 95% Zinc).

Combine the strength of high carbon steel wire with the excellent corrosion resistance of Class A, ASTM B6 High Grade, hot-dip zinc coating. Add a long history of service to the transmission industry, the pre-engineered building industry, the construction industry, and municipalities and you get strand that you can count on year after year.



## APPLICATIONS

The galvanized steel wires or stranded Conductor are suitable for cores of ACSR to improve its tensile strength. they can also be used in the aerial transmission line as the line material of ground connection to avoid the lightning strike. Messenger Wire, Overhead Ground or Static Wire, Guy Wire.

This catalogue shows the most common sizes of Wire but other sizes, to any other standards or customer specification can also be supplied.

## GSW Wire manufactured to BS-183

No. of wires / Nominal dia.	Approx. strand dia.	Rated strength							Approx. weight kg/km
		Grade350	Grade480	Grade700	Grade850	Grade1000	Grade1150	Grade1300	
	mm	kN	kN	kN	kN	kN	kN	kN	
3/1.80	3.	2.65	3.66	-	-	-	-	-	60
3/2.65	5.	5.80	7.95	-	-	-	-	-	130
3/3.25	7.	8.70	11.95	-	-	-	-	-	195
3/4.00	8.	13.20	18.10	-	-	-	-	-	295
4/1.80	4.	3.55	4.90	-	-	-	-	-	80
4/2.65	6.	7.70	10.60	-	-	-	-	-	172
4/3.25	7.	11.60	15.90	-	-	-	-	-	260
4/4.00	9.	17.60	24.10	35.20	-	-	-	-	390
5/1.50	4.	3.10	4.24	6.18	-	-	-	-	69
5/1.80	4.	4.45	6.10	8.90	-	-	-	-	95
5/2.65	7.	9.65	13.25	19.30	-	-	-	-	220
5/3.25	8.	14.50	19.90	29.00	-	-	-	-	320
5/4.00	10.	22.00	30.15	43.95	-	-	-	-	490
7/0.56	1.	0.60	0.83	1.20	-	1.70	1.98	2.24	14
7/0.71	2.	0.97	1.33	1.94	-	2.75	3.19	3.60	28
7/0.85	2.	1.39	1.90	2.80	-	3.95	4.57	5.15	31
7/0.90	2.	1.55	2.14	3.1	-	4.45	5.12	5.80	35
7/1.00	3.	1.92	2.64	3.85	-	5.50	6.32	7.15	43
7/1.25	3.	3.01	4.10	6.00	-	8.55	9.88	11.15	67
7/1.40	4.	3.75	5.17	7.54	9.16	10.75	12.35	14.00	84
7/RS*	4	3.85	5.28	7.70	9.35	11.00	12.65	14.30	86
7/1.60	4.	4.90	6.75	9.85	11.95	14.10	16.20	18.30	110
7/1.80	5.	6.23	8.55	12.45	-	17.80	20.50	23.20	140
7/2.00	6.	7.70	10.55	15.40	-	22.0	25.30	28.60	170
7/2.36	7.	10.70	14.70	21.40	-	30.60	35.20	39.80	240
7/2.65	8.	13.50	18.50	27.00	-	38.60	44.40	50.20	300
7/3.00	9.	17.30	23.75	34.65	-	49.50	56.90	64.30	392
7/3.15	9.	19.10	26.20	38.20	-	54.56	62.75	70.90	430
7/3.25	9.	20.30	27.85	40.65	-	58.05	66.80	75.50	460
7/3.65	11.	25.60	35.15	51.25	-	73.25	84.20	95.20	570
7/4.00	12.	30.90	42.20	61.60	-	88.00	101.0	114.00	690
7/4.25	12.	34.75	47.65	69.50	-	99.30	114.0	129.00	780
7/4.75	14.	43.40	59.45	86.80	-	124.0	142.7	161.3	970

### Galvanized Steel Wire Strand Conductor. Bare

19/1.00	5.	5.22	7.16	10.45	-	14.92	17.16	19.40	120
19/1.25	6.	8.16	11.19	16.32	-	23.32	26.81	30.31	180
19/1.40	7.	10.24	14.04	20.47	-	29.25	33.64	38.02	230
19/1.60	8.	13.37	18.35	26.75	-	38.20	43.93	49.66	300
19/2.00	10.	20.90	28.65	41.78	50.74	59.69	68.64	77.60	470
19/2.50	12.	32.65	44.80	65.29	79.28	93.27	107.3	121.3	730
19/3.00	15.	47.00	64.50	94.00	114.1	134.3	154.5	174.6	1050
19/3.55	17.	65.80	90.27	131.6	159.9	188.0	216.3	244.5	1470
19/4.00	20.	83.55	114.6	167.1	203.0	238.7	274.6	310.4	1870
19/4.75	23.	117.85	161.6	235.7	286.0	336.7	387.2	437.7	2630

\*Construction of this strand consists of six wires of 1.40 mm diameter on a centre wire of 1.50 mm diameter. The diameter of the centre wire shall not be less than 0.08 mm nor more than 0.12 mm greater than the diameter of the outer wire.