Application

Galvanized static wire, also known as GSW Wire, Messenger Wire, Overhead Ground, Stay Wire, Guy Wire, and GI Wire, is essential in the electricity industry for supporting power poles and tower structures. It also serves as a messenger in aerial transmission cables, helps prevent lightning strikes as overhead ground or static wire, and adds stability to free-standing structures as guy wire. In various roles, it contributes significantly to the reliability and safety of infrastructure across different industries.

Advantage

Uniform and Firm Zinc Coating: GSW Wire features a uniform and firm hot-dip zinc coating, which provides superior protection against corrosion, extending its service life even in harsh environments.
Bright and Clean Surface: With its bright and clean surface finish, GSW Wire offers aesthetic appeal along with functional benefits, making it suitable for visible applications where appearance matters.
Excellent Corrosion Resistance: The zinc coating on GSW Wire confers excellent corrosion resistance, making it resistant to rust and degradation over time. This ensures reliable performance and minimal maintenance requirements, reducing overall lifecycle costs.

Construction

Galvanized Steel Wires, Concentrically Stranded: GSW Wire is constructed using galvanized steel wires that are concentrically stranded to provide exceptional strength and durability, essential for demanding applications.
Zinc-Coated Grade of Steel Strand Wire/Guy Wire: Available in various grades such as Class A, Class B, and Class C, GSW Wire offers flexibility to suit different load requirements and environmental conditions.
Breaking Load Grades: GSW Wire is manufactured to meet specific breaking load grades ranging from 350 to 1300, ensuring suitability for a wide range of applications where strength and reliability are paramount.

Specification

-BS 183 Standard Galvanized Steel Wire

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

Technical Parameters

No./Dia. of Wires	Approx. Overall Dia.	Approx. Weight	Minimum Breaking Load of Strands						
			Grade 350	Grade 480	Grade 700	Grade 850	Grade 1000	Grade 1150	Grade 1300
No./mm	mm	kg/km	kN	kN	kN	kN	kN	kN	kN
3/1.80	3.9	60	2.65	3.66	–	–	–	–	–
3/2.65	5.7	130	5.80	7.95	–	–	–	–	–
3/3.25	7.0	195	8.70	11.95	–	–	–	–	–
3/4.00	8.6	295	13.2	18.10		–	–	–	–
4/1.80	4.4	80	3.55	4.90	–	–	–	–	–
4/2.65	6.4	172	7.70	10.60	–	–	–	–	–
4/3.25	7.9	260	11.60	15.90	–	–	–	–	–
4/4.00	9.7	390	17.60	24.10	35.20	–	–	–	–
5/1.50	4.1	69	3.10	4.24	6.18	–	–	–	–
5/1.80	4.9	95	4.45	6.10	8.90	–	–	–	–
5/2.65	7.2	220	9.65	13.25	19.30	–	–	–	–
5/3.25	8.8	320	14.50	19.90	29.00	–	–	–	–
5/4.00	10.8	490	22.00	30.15	43.95	–	–	–	–
7/0.56	1.7	14	0.60	0.83	1.20	–	1.70	1.98	2.24
7/0.71	2.1	28	0.97	1.33	1.94	–	2.75	3.19	3.60
7/0.85	2.6	31	1.39	1.90	2.80	–	3.95	4.57	5.15
7/0.90	2.7	35	1.55	2.14	3.10	–	4.45	5.12	5.80
7/1.00	3.0	43	1.92	2.64	3.85	–	5.50	6.32	7.15
7/1.25	3.8	67	3.01	4.10	6.00	–	8.55	9.88	11.15
7/1.40	4.2	84	3.75	5.17	7.54	9.16	10.75	12.35	14.00
7RS*	4.3	86	3.85	5.28	7.70	9.35	11.00	12.65	14.30
7/1.60	4.8	110	4.90	6.75	9.85	11.95	14.10	16.20	18.30
7/1.80	5.4	140	6.23	8.55	12.45	–	17.80	20.50	23.20

Technical Parameters

No./Dia. of Wires	Approx. Overall Dia.	Approx. Weight	Minimum Break Load of Strands						
			Grade 350	Grade 480	Grade 700	Grade 850	Grade 1000	Grade 1150	Grade 1300
No./mm	mm	kg/km	kN	kN	kN	kN	kN	kN	kN
7/2.00	6.0	170	7.70	10.55	15.40	–	22.00	25.30	28.60
7/2.36	7.1	240	10.70	14.70	21.40	–	30.60	35.20	39.80
7/2.65	8.0	300	13.50	18.50	27.00	–	38.60	44.40	50.20
7/3.00	9.0	392	17.3	23.75	34.65	–	49.50	56.90	64.30
7/3.15	9.5	430	19.10	26.20	38.20	–	54.55	62.75	70.90
7/3.25	9.8	460	20.30	27.85	40.65	–	58.05	66.80	75.50
7/3.65	11.0	570	25.60	35.15	51.25	–	73.25	84.20	95.20
7/4.00	12.0	690	30.90	42.20	61.60	–	88.00	101.0	114.00
7/4.25	12.8	780	34.75	47.65	69.50	–	99.30	114.0	129.00
7/4.75	14.0	970	43.40	59.45	86.80	–	124.0	142.7	161.3
19/1.00	5.0	120	5.22	7.16	10.45	–	14.92	17.16	19.40
19/1.25	6.3	180	8.16	11.19	16.32	–	23.32	26.81	30.31
19/1.40	7.0	230	10.24	14.04	20.47	–	29.25	33.64	38.02
19/1.60	8.0	300	13.37	18.35	26.75	–	38.20	43.93	49.66
19/2.00	10.0	470	20.90	28.65	41.78	50.74	53.69	68.64	77.60
19/2.50	12.5	730	32.65	44.80	65.29	79.28	93.27	107.3	121.3
19/3.00	15.0	1050	47.00	64.50	94.00	114.1	134.3	154.5	174.6
19/3.55	17.8	1470	65.80	90.27	131.6	159.9	188.0	216.3	244.5
19/4.00	20.0	1870	83.55	114.6	167.1	203.0	238.7	274.6	310.4
19/4.75	23.8	2630	117.85	161.6	235.7	286.0	336.7	387.2	437.7