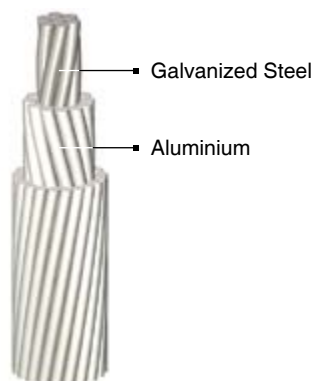




Technical Properties

Size	Number / Diameter of Wire		Calculated Cross Section Area		Approx. Overall Diameter	Approx. Weight of Conductor	Calculated Breaking Load	DC Resistance at 20 °C Max.	Current Carrying Capacity *	Standard Length per Reel
	Al	GSW	Al	GSW						
mm ²	No. / mm	No. / mm	mm ²	mm ²	mm	kg/km	kN	Ohm/km	A	m
16	6 / 1.84	1 / 1.84	16.0	2.7	5.52	64	6.08	1.7934	149	2,000
25	6 / 2.30	1 / 2.30	24.9	4.2	6.90	101	9.13	1.1478	198	2,000
40	6 / 2.91	1 / 2.91	39.9	6.7	8.73	161	14.40	0.7174	267	2,000
63	6 / 3.66	1 / 3.66	63.1	10.5	10.98	255	21.63	0.4555	358	2,000
100	6 / 4.61	1 / 4.61	100.1	16.7	13.83	405	34.33	0.2869	481	2,000
125	18 / 2.97	1 / 2.97	124.7	6.9	14.85	397	29.17	0.2304	549	2,000
125	26 / 2.47	7 / 1.92	124.6	20.3	15.64	503	45.69	0.2310	557	2,000
160	18 / 3.36	1 / 3.36	159.6	8.9	16.80	509	36.18	0.1800	643	2,000
160	26 / 2.80	7 / 2.18	160.1	26.1	17.74	648	57.69	0.1805	652	2,000
200	18 / 3.76	1 / 3.76	199.9	11.1	18.80	637	44.22	0.1440	743	2,000
200	26 / 3.13	7 / 2.43	200.1	32.5	19.81	808	70.13	0.1444	754	2,000
250	22 / 3.80	7 / 2.11	249.5	24.5	21.53	865	68.72	0.1154	865	2,000
250	26 / 3.50	7 / 2.72	250.1	40.7	22.16	1,011	87.67	0.1155	872	2,000
315	45 / 2.99	7 / 1.99	316.0	21.8	23.91	1,045	79.03	0.0917	998	2,000
315	26 / 3.93	7 / 3.05	315.4	51.1	24.87	1,273	106.83	0.0917	1,012	2,000
400	45 / 3.36	7 / 2.24	399.0	27.6	26.88	1,320	98.36	0.0722	1,164	2,000
400	54 / 3.07	7 / 3.07	399.7	51.8	27.63	1,512	123.04	0.0723	1,173	2,000
450	45 / 3.57	7 / 2.38	450.4	31.1	28.56	1,490	107.47	0.0642	1,255	2,000
450	54 / 3.26	7 / 3.26	450.7	58.4	29.34	1,705	138.42	0.0643	1,266	2,000
500	45 / 3.76	7 / 2.51	499.7	34.6	30.09	1,654	119.41	0.0578	1,343	2,000
500	54 / 3.43	7 / 3.43	499.0	64.7	30.87	1,887	153.80	0.0578	1,355	2,000
560	45 / 3.98	7 / 2.65	559.8	38.6	31.83	1,852	133.74	0.0516	1,444	2,000
560	54 / 3.63	19 / 2.18	558.9	70.9	32.68	2,111	172.59	0.0516	1,458	2,000
630	45 / 4.22	7 / 2.81	629.4	43.4	33.75	2,082	150.45	0.0459	1,557	2,000
630	54 / 3.85	19 / 2.31	628.6	79.6	34.65	2,373	191.77	0.0459	1,572	2,000
710	45 / 4.48	7 / 2.99	709.3	49.2	35.85	2,348	169.56	0.0407	1,680	2,000
710	54 / 4.09	19 / 2.45	709.5	89.6	36.79	2,676	216.12	0.0407	1,696	1,000
800	72 / 3.76	7 / 2.51	799.5	34.6	30.09	2,495	167.41	0.0361	1,800	2,000

* Note : Ambient temperature : 20°C
 wind velocity : 1 m/sec
 Continuous operating temperature of conductor : 80°C

Conductivity of Al : 61% IACS
 Solar absorption coefficient : 0.5
 Emissivity with respect to black body : 0.6

Technical Properties

Size	Number / Diameter of Wire		Calculated Cross Section Area		Approx. Overall Diameter	Approx. Weight of Conductor	Calculated Breaking Load	DC Resistance at 20 °C Max.	Current Carrying Capacity *	Standard Length per Reel
	Al	GSW	Al	GSW						
mm ²	No. / mm	No. / mm	mm ²	mm ²	mm	kg/km	kN	Ohm/km	A	m
800	84 / 3.48	7 / 3.48	799.0	66.6	38.28	2,679	205.33	0.0362	1,812	1,000
800	54 / 4.34	19 / 2.61	798.8	101.7	39.09	3,019	243.52	0.0362	1,828	1,000
900	72 / 3.99	7 / 2.66	900.3	38.9	31.92	2,808	188.33	0.0321	1,936	2,000
900	84 / 3.69	7 / 3.69	898.3	74.9	40.59	3,012	226.50	0.0322	2,025	1,000
1000	72 / 4.21	7 / 2.80	1002.3	43.1	33.66	3,125	209.26	0.0289	2,065	2,000
1120	72 / 4.45	19 / 1.78	1119.8	47.3	35.60	3,394	234.53	0.0258	2,209	2,000
1120	84 / 4.12	19 / 2.47	1119.9	91.0	45.31	3,829	283.17	0.0258	2,231	1,000
1250	84 / 4.35	19 / 2.61	1248.4	101.7	47.85	4,269	316.04	0.0232	2,360	1,000
1250	72 / 4.70	19 / 1.88	1249.2	52.7	37.60	3,787	261.75	0.0231	2,382	1,000

* Note : Ambient temperature : 20° C Conductivity of Al : 61% IACS
 wind velocity : 1 m/sec Solar absorbtion coefficient : 0.5
 Continuous operating temperature of conductor : 80° C Emissivity with respect to black body : 0.6