2000V 8000 series Aluminum Alloy RHH/RHW-2 for Wind Turbine

Construction: The stranded compacted 8000 series aluminium alloy conductor is insulated with abrasion, moisture heat,, flame ,oil and sunlight resistant black XLP.

Application： 8000 series Aluminum Alloy RHH/RHW-2 for Wind Turbine are used in wind turbines for generators and step-up transformers. This cable is specifically useful for applications that the rated voltage is 2kV. 2kV RHH/RHW-2 cable may be used in wet or dry locations at temperatures not exceed 90℃.

Rated Voltage： 2000V.

Operating Temperature: Max permissible continuous operating temperature of conductor shall not exceed 90°C.

Standard： UL 44, UL2556 or other standards required by customers.

Packing： Steel/wooden reel, wooden reel or steel reel.

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Conductor			Conductor Diameter		Insulation Thickness		Approx. Overall Diameter		Approx. Weight of Cable		Max DC Conductor Resistance at 20℃
Size		No. of Strands	mil	mm	mil	mm	inch	mm	lb/kft	kg/km	
AWG or kcmil	mm^2	Compact									Ω/km
8	8.37	7	134	3.40	70	1.78	0.285	6.53	36	54	3.515
6	13.3	7	169	4.29	70	1.78	0.320	7.42	49	73	2.211
4	21.2	7	213	5.41	70	1.78	0.360	8.53	65	97	1.390
2	33.6	7	268	6.81	90	2.29	0.420	9.93	94	140	0.8745
1	42.4	18	299	7.59	90	2.29	0.495	11.73	126	187	0.6934
1/0	53.5	18	335	8.51	90	2.29	0.530	12.67	151	225	0.5498
2/0	67.4	18	378	9.60	90	2.29	0.580	13.69	182	271	0.4361
3/0	85.0	18	423	10.74	90	2.29	0.615	14.88	221	329	0.3459
4/0	107	18	476	12.09	105	2.67	0.665	16.21	269	400	0.2743
250	127	35	520	13.21	105	2.67	0.745	18.11	326	485	0.2322
300	152	35	571	14.50	105	2.67	0.795	19.38	381	567	0.1935
350	177	35	614	15.60	105	2.67	0.840	20.55	435	647	0.1659
400	203	35	659	16.74	105	2.67	0.880	22.35	546	812	0.1450
500	253	35	736	18.69	120	3.05	0.960	23.60	595	885	0.1161
600	304	58	814	20.68	120	3.05	1.080	27.4	730	1088	0.09669
750	380	58	909	23.09	120	3.05	1.175	28.73	881	1311	0.07738
1000	507	58	1059	26.90	120	3.05	1.325	32.59	1145	1704	0.05804