

ANSI String Electrical Ratings Fog Type Profile

Fog Type Profile suspension insulator string flashover voltages based on the test procedure of American Standard ANSI C 29.1.

Number of units	Diameter / Spacing Ø 330 / 171			
	Low frequency flashover voltage (kV)		Critical impulse flashover voltage (kV)	
	DRY	WET	+	-
2	160	110	315	300
3	230	145	440	410
4	290	155	550	505
5	350	225	660	605
6	405	265	775	705
7	460	310	870	800
8	515	355	970	900
9	570	390	1070	1000
10	625	430	1170	1105
11	680	460	1270	1210
12	735	495	1370	1315
13	790	530	1465	1420
14	840	565	1565	1525
15	885	595	1665	1630
16	935	630	1765	1735
17	980	660	1860	1845
18	1030	690	1960	1945
19	1075	725	2060	2040
20	1120	755	2155	2140
21	1165	785	2245	2240
22	1210	820	2340	2340
23	1255	850	2430	2440
24	1300	885	2525	2540
25	1345	910	2620	2635
26	1385	945	2710	2735
27	1430	975	2805	2835
28	1470	1005	2900	2935
29	1515	1035	2980	3025
30	1555	1065	3060	3120

These electrical ratings are applicable to SEDIVER Suspension Insulator strings not equipped with arcing devices or grading rings.

According to American Standard the average value of three tested strings shall equal or exceed 95% of the guaranteed values as given in the data sheet, for low frequency dry flashover, 90% of the guaranteed values as given in the data sheet, for low frequency wet flashover, 92% of the guaranteed values as given in the data sheet, for critical impulse flashover.