

ANSI String Electrical Ratings Standard Profile

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

Number of units	Diameter / Spacing Ø 280 / 156			
	Low frequency flashover voltage (kV)		Critical impulse flashover voltage (kV)	
	DRY	WET	+	-
2	145	90	230	230
3	210	130	325	330
4	275	170	425	440
5	330	215	515	540
6	385	255	610	630
7	435	295	700	720
8	490	335	790	810
9	540	375	880	900
10	595	415	970	990
11	645	455	1060	1075
12	695	490	1150	1160
13	745	525	1240	1245
14	790	565	1330	1330
15	840	600	1415	1420
16	890	635	1500	1510
17	935	670	1585	1605
18	980	705	1670	1700
19	1025	740	1755	1795
20	1070	775	1840	1890
21	1115	810	1925	1985
22	1160	845	2010	2080
23	1205	880	2095	2175
24	1250	915	2180	2270
25	1290	950	2260	2365
26	1330	958	2390	2465
27	1370	1015	2470	2555
28	1410	1045	2570	2650
29	1455	1080	2650	2740
30	1490	1110	2740	2830

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.