

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 280 / 146 | | | |
|-----------------|--------------------------------------|-----|---|------|
| | Low frequency flashover voltage (kV) | | Critical impulse flashover voltage (kV) | |
| | DRY | WET | + | - |
| 2 | 155 | 95 | 270 | 260 |
| 3 | 215 | 130 | 380 | 355 |
| 4 | 270 | 165 | 475 | 435 |
| 5 | 325 | 200 | 570 | 520 |
| 6 | 380 | 240 | 665 | 605 |
| 7 | 435 | 275 | 750 | 690 |
| 8 | 485 | 315 | 835 | 775 |
| 9 | 540 | 350 | 920 | 860 |
| 10 | 590 | 375 | 1005 | 950 |
| 11 | 640 | 410 | 1090 | 1040 |
| 12 | 690 | 440 | 1175 | 1130 |
| 13 | 735 | 470 | 1260 | 1220 |
| 14 | 785 | 500 | 1345 | 1310 |
| 15 | 830 | 525 | 1430 | 1400 |
| 16 | 875 | 555 | 1515 | 1490 |
| 17 | 920 | 580 | 1600 | 1595 |
| 18 | 965 | 615 | 1685 | 1670 |
| 19 | 1010 | 640 | 1770 | 1755 |
| 20 | 1055 | 670 | 1850 | 1840 |
| 21 | 1100 | 695 | 1930 | 1925 |
| 22 | 1145 | 725 | 2010 | 2010 |
| 23 | 1190 | 750 | 2090 | 2095 |
| 24 | 1235 | 780 | 2170 | 2180 |
| 25 | 1280 | 810 | 2250 | 2265 |
| 26 | 1325 | 835 | 2330 | 2350 |
| 27 | 1370 | 860 | 2410 | 2435 |
| 28 | 1410 | 890 | 2490 | 2520 |
| 29 | 1455 | 915 | 2560 | 2600 |
| 30 | 1495 | 940 | 2630 | 2680 |

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.