

Long rod insulators 3FL3 and 3FL4

Technical data

| Maximum values | | 3FL3 | 3FL4 |
|---|------|-------------------|-------------------|
| Electrical data | | | |
| Highest voltage for equipment U_m | kV | 550 | 550 |
| Nominal system voltage U_n | kV | 500 | 500 |
| Standard rated ¹ lightning impulse withstand voltage level (1.2 / 50 μ s, positive, dry) | kV | 1550 | 1550 |
| Standard rated ² switching impulse withstand voltage level (250 / 2500 μ s, positive, dry), applies for $U_m > 300$ kV | kV | 1050 | 1050 |
| Standard rated ³ short duration power-frequency withstand voltage level (1 min., wet), applies for $U_m > 300$ kV | kV | n.a. ³ | n.a. ³ |
| Mechanical data | | | |
| Specified mechanical load, SML class as per IEC | kN | 100 | 120 |
| Specified mechanical load, SML class as per ANSI | klbs | 25 | 30 |
| Max. available section lengths (with Socket & Ball end fittings) | | | |
| Length increments app. 52 mm | mm | 5553 | 5553 |
| Length increments app. 2.05 inches | inch | 218.6 | 218.6 |

¹ Standard rated voltages according to IEC 60071-1

² Switching impulse withstand voltage is not applicable for system voltages with $U_m < 300$ kV

³ Power-frequency withstand voltage is not applicable for system voltages with $U_m > 245$ kV