HELUTHERM® SiFF PLUS 1,8/3 kV

Silicone single core, super finely stranded, temperature-resistant



TECHNICAL DATA

Single core

Temperature range	fixed -60°C to +180°C
Short circuit temperature at the conductor	+350°C
Nominal voltage	AC U_0/U 1800/3000 V
Test voltage	9000 V
Minimum bending radius	flexible 6x Outer-Ø fixed 3x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, super finely stranded acc. to DIN VDE 0295 Class 6 Col. 5 resp. 7 / IEC 60228 Class 6 Col. 5 resp. 7
- Core insulation: silicone
- Core identification: transparent

PROPERTIES

- halogen-free

TESTS

- halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1

APPLICATION

This extremely flexible, heat-resistant silicone single core is used in switchgear and distribution boards, in industrial furnaces, machine building as well as in railway, battery and earthing systems.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
17009731	1 x 4	12	5.5	38.4	62.2
17009732	1 x 6	10	6.3	57.6	86.0
17009733	1 x 10	8	8.0	96.0	138.4
17009734	1 x 16	6	10.1	153.6	215.5
17007765	1 x 25	4	11.1	240.0	309.4
17007766	1 x 35	2	12.1	336.0	412.8

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
17007767	1 x 50	1	14.6	480.0	575.5
17007768	1 x 70	2/0	16.7	672.0	799.1
17007769	1 x 95	3/0	19.4	912.0	1068.8
17009735	1 x 120	4/0	21.0	1152.0	1343.7
17009736	1 x 150	300 kcmil	22.0	1440.0	1642.1

14.06.2026 / We reserve the right to make technical changes; the imprint in the image is purely exemplary