



We Make Modern
Life Possible

SILICONE CABLES

SiF

Silicone insulated wire



TECHNICAL DATA



Standard
adapted to DIN VDE 0250



Test Voltage
2 kV



Rated Voltage
300/500 V (U₀/U)



Bending radius (min.)
4 x $\varnothing$ of wire



Fire properties
EN 60332-1-2: flame retardant



Temperature range
Operating temperature: -50°C up to 180°C
Conductor temperature: max. 180°C
Short circuit temperature: max. 350°C

DESIGN



Nominal cross-section (mm²)	Core colours	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packaging (m)
0.5	bk, wh	40.1	2.1	9	100 R
0.75	bk, bn, rd, bu, wh	26.7	2.4	12	100 R
1	bk, rd, bu, wh	20.0	2.5	14	100 R
1.5	bk, rd, gy, wh, gnye	13.7	2.8	19	100 R
2.5	bk, wh	8.21	3.4	30	100 R
4	bk, bn, rd, bu, wh	5.09	4.2	47	100 R
6	bk, rd, bu, wh, gnye	3.39	4.7	71	100 R
10	bk, bu, wh, gnye	1.95	6.2	119	100 R
16	bk, rd	1.24	7.4	188	100 R
25	bk, gnye	0.795	9.2	290	500 T, 1000 T
35	bk	0.565	10.3	398	500 T, 1000 T
70	bk	0.277	13.8	766	500 T, 1000 T
150	bk	0.132	19.6	1563	500 T, 1000 T
185	bk	0.108	22.4	1858	500 T, 1000 T
240	bk	0.082	25.0	2553	500 T, 1000 T

CONTACT PERSON

Dogan Özcan
 Head of Technical Department
 +43 (0) 1 70170-154
 dogan.oezcan@skw.at

