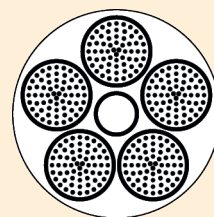
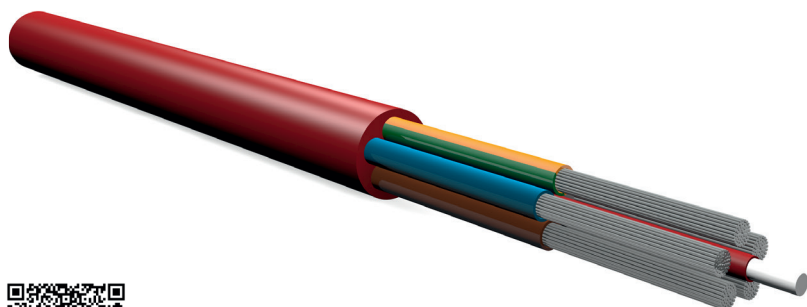


SIHF

Silicone insulated cable

RoHS

CROSS SECTION



APPLICATION

These heat and cold-resistant silicone hose cables are used as moving connection cables for devices subject to the influence of high temperatures and ambient temperatures of -60°C to +180°C. They can temporarily withstand temperatures of up to +250°C. They are suitable for headlights, heating appliances, rolling mills and thermal power plants, as well as for use as moving connection cables. They are resistant to vegetable and animal fats. The insulation is protected against humidity and resistant to ozone and oxygen. One outstanding property is the high flashpoint. If the cable sets on fire, an insulating layer of silicone dioxide remains on the conductor to help prevent a short circuit.

SPECIAL FEATURES

Properties
Halogen free
Tin-plated copper

Sheath colour
Auburn

STRUCTURE

Conductor	Tin-plated copper stranded wire, flexible, design structure according to DIN VDE 0295 class 5, cores concentrically stranded in layers
Cores	Silicone rubber, coloured up to 5-cored or black from 6-cored with imprinted digits according to VDE 0293
Outer sheath	Silicone rubber according to VDE 0207 part 21

TECHNICAL DATA

Nominal voltage	300 V/500 V
Test voltage	50 Hz: 2.000 V
Insulation resistance	At 20°C min.: 20 MOhm x km
Operating temperature	-60°C to +180°C
Min. installation temperature	-25°C
Max. installation temperature	+180°C
Min. bending radius	7.5 x cable diameter

TESTS ACCORDING TO DIN VDE 0472 AND IEC:

Flammability	Test method B according to VDE 0472 part 804 and IEC 332-1
Insulation integrity	According to VDE 0472 part 814 and IEC 331

Product description		Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number
SIHF-O	2x0.75	14.0	6.4	53	7150200
SIHF-O	2x1	19.0	6.6	64	7150201
SIHF-O	2x1.5	28.8	7.6	77	7150202
SIHF-O	2x2.5	48.0	7.5	80	7150203
SIHF	3x0.75	21.6	6.8	64	7150300
SIHF	3x1	29.0	6.6	79	7150301
SIHF	3x1.5	43.0	8.0	98	7150302
SIHF	3x2.5	72.0	9.7	152	7150303
SIHF	4x0.75	29.0	7.8	84	7150400
SIHF	4x1	38.0	8.0	95	7150401
SIHF	4x1.5	58.0	8.8	122	7150402
SIHF	4x2.5	96.0	10.6	189	7150403
SIHF	4x4	154.0	13.1	295	7150404
SIHF	4x6	230.0	15.2	442	7150406
SIHF	4x10	385.0	20.0	707	7150410
SIHF	4x16	615.0	24.3	987	7150416
SIHF	4x25	960.0	27.7	1557	7150425
SIHF	4x35	1344.0	30.5	2025	7150435
SIHF	5x0.75	36.0	8.5	101	7150500
SIHF	5x1	48.0	8.8	116	7150501
SIHF	5x1.5	72.0	9.6	148	7150502
SIHF	5x2.5	120.0	11.6	229	7150503
SIHF	5x4	192.0	14.4	359	7150504
SIHF	5x6	288.0	17.7	535	7150506
SIHF	7x0.75	50.0	9.2	125	7150700
SIHF	7x1	67.0	9.5	144	7150701
SIHF	7x1.5	100.8	10.4	202	7150702
SIHF	7x2.5	168.0	12.6	293	7150703
SIHF	10x1.5	144.0	14.6	283	7151002
SIHF	12x1.5	173.0	13.6	320	7151202
SIHF	16x1.5	231.0	16.2	446	7151602
SIHF	18x1.5	260.0	16.8	478	7151802
SIHF	20x1.5	288.0	17.5	566	7152002
SIHF	24x1.5	346.0	19.8	722	7152402