



SIMF / SIHF



### Construction:

<b>SIMH</b> conductor	: flexible copper wires, plain.
<b>SIHF</b> conductor	: flexible copper wires, tinned.
Insulation	: silicone rubber compound, EI2.
Lay-up	: cores laid up in layers of optimum pitch.
Outer sheath	: silicone rubber compound, EM9.
Sheath colour	: oxbrown-red.

### Technical data and tests:

Rated voltage $U_0/U$	: 300 / 500 V ; 450/750 V $\geq$ 4,0 mm <sup>2</sup> .
Test voltage (AC 50 Hz)	: 2000 V ; 2500 V $\geq$ 4,0 mm <sup>2</sup> .
Insulation resistance	: min. 20 M $\Omega$ /km.
Temperature at conductor	: + 180° C.
Short circuit temperature	: + 200° C.
Temperature range	: fixed : - 60° C ~ + 180° C; mobile : - 25° C ~ + 180° C.
Min. bending radius	: fixed : 4 x D; mobile : 7,5 x D.

### Standards:

Cable	: VDE 0250, DIN VDE 0282-15 and TS HD 22.15 S1 (designed according to).
Conductors	: IEC 60228 class 5, TS/DIN EN 60228 class 5.
Flame retardance test	: IEC 60332-1 & EN 50265-2-1; IEC 60332-3 & EN 50266-2-4.
Insulation integrity	: IEC 60331, VDE 0472-814.
Core identification	: HD 308 S2 & VDE 0293-308; DIN EN 50334 black cores with white numerals with green/yellow after 5 cores.

### Applications:

These silicone insulated cables are used as mobile connection cables for equipment where high temperatures can arise as well as for ambient air temperature between -60° C and +180° C. These cables are used in all areas with low mechanical load e.g in ship building, power plants, cooking plants, glass and ceramic works, foundaries; solarium and sauna installations for high power lighting fixtures etc.





**HALLEY CABLES**

**SIMH / SIHF**

**Silicone Cable**

High temperature operating, silicone insulated, flexible cable

www.halleycables.com

**DIMENSIONS - SIMH / SIHF**

No. of cores x cross section mm <sup>2</sup>	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
2x0.50	5,7	9	50
3x0.50	6,0	14	60
4x0.50	6,7	19	75
5x0.50	7,3	24	85
6x0,50	8,1	29	90
7x0.50	8,1	33	95
2x0.75	6,3	14	60
3x0.75	6,8	22	75
4x0.75	7,5	29	95
5x0.75	8,3	36	115
6x0.75	9,0	43	135
7x0.75	9,0	50	140
2x1.0	6,7	19	75
3x1.0	7,1	29	90
4x1.0	7,7	38	110
5x1.0	8,6	48	135
6x1.0	9,5	58	160
7x1.0	9,5	67	170
2x1.5	7,5	29	95
3x1.5	7,9	43	115
4x1.5	8,8	58	150
5x1.5	9,6	72	175
6x1.5	10,4	86	210
7x1.5	10,4	101	220
8x1.5	11,5	116	264
10x1.5	12,6	144	320
12x1.5	14,1	173	360
14x1.5	15,0	202	420
16x1.5	15,8	231	500
18x1.5	16,8	260	570
20x1.5	17,7	288	620
24x1.5	19,9	346	780
2x2.5	8,9	48	135
3x2.5	9,4	72	165

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