



Construction:

Conductor	: flexible copper wires, plain.
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.
Braid	: fiberglass braid.

Technical data and tests:

Rated voltage U ₀ /U	: 300 / 500 V.
Test voltage(AC 50 Hz)	: 2000 V.
Insulation resistance	: min. 20 MΩ/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 HD 22.15 S1(designed according to).
Core identification	: HD 308 S2 & VDE 0293-308. DIN EN 50334 black cores with white numerals with green/yellow after 5 cores.
Conductor	: 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.

Applications:

These silicone insulated and fiberglass braided 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. With its fiberglass braiding it has a longer service life and is resistant to flames the same as normal silicone cables. Also these cables are used in all areas where installation conditions are very difficult and have mechanical loads e.g in ship building, power plants, cooking plants, glass and ceramic works, foundaries, for high power lighting fixtures etc.





HALLEY CABLES

SIMH-GL

Silicone Cable

High temperature operating, fiberglass braided, flexible cable

www.halleycables.com

DIMENSIONS

No. of cores x cross section mm ²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
2x0.75	6,5	14	65
3x0.75	7,0	22	80
4x0.75	7,7	29	100
5x0.75	8,5	36	125
6x0.75	9,4	43	150
7x0.75	9,4	50	160
2x1.0	7,1	19	80
3x1.0	7,5	29	95
4x1.0	8,1	38	120
5x1.0	9,0	48	155
6x1.0	9,9	58	180
7x1.0	9,9	67	190
2x1.5	7,8	29	105
3x1.5	8,3	43	125
4x1.5	9,2	58	170
5x1.5	10,0	72	195
6x1.5	10,8	86	230
7x1.5	10,8	101	245
12x1.5	14,6	173	320
16x1.5	16,3	231	540
24x1.5	20,4	346	810
2x2.5	9,3	48	145
3x2.5	9,9	72	180
4x2.5	11,0	96	230
5x2.5	12,1	120	280
6x2.5	13,0	144	330
7x2.5	13,0	168	355
12x2.5	17,5	288	625
2x4	11,0	77	215
3x4	11,7	115	270
4x4	13,0	154	320
5x4	14,5	192	395
7x4	15,9	269	510
2x6	13,1	116	300
3x6	14,0	173	370
4x6	15,6	230	445
5x6	17,2	288	580
2x10	16,7	192	410
3x10	18,1	288	635
4x10	20,0	384	750
5x10	22,6	480	970

SIMH-GL

