SIMH-GLS (GLP)

Silicone Cable

High temperature operating, fiberglass wrapped, armoured cable

Construction:

Conductor	: flexible copper wires.
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.
*Wrapping	: fiberglass tape.
Armour	: galvanised steel wires of optimum coverage.

* Instead of fiberglass tape, fiberglass braid is available.

Technical data and tests:

Rated voltage Uo/U	: 300 / 500 V.
Test voltage (AC 50 Hz)	: 2000 V.
Insulation resistance	: min. 20 MΩ/km.
Temperature at conductor	: + 200° 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).
Conductor construction	: IEC 60228 class 5, DIN EN 60228 class 5.
Core identification	: HD 308 S2 & VDE 0293-308.
	DIN EN 50334 black cores with white numerals with green/yellow after 5 cores.
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, fiberglass taped, steel wire braided, armoured cables are used as mobile connection cables for equipment where high temperatures can arise as well as for ambient air temperatures between -60° C and +180° C. Due to its fiberglass braiding the service life is longer and flame resistance is similar to normal silicone cables. Furthermore, these cables are used in all areas where installation conditions are very difficult and have high mechanical loads e.g in ship building, power plants, cooking plants, glass and ceramic works, foundries, for high power lighting fixtures etc. The armour above the sheath (steel wire braid) serves as protection against mechanical transverse loads and acts as a magnetic screen against interference. The galvanised steel wires are free of corrosion and oxidation.

HALLEY CABLES

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www.halleycables.com

DIMENSIONS

No. of cores x cross section mm²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
2x0.75	7,3	14	95
3x0.75	7,8	22	110
4x0.75	8,5	29	135
5x0.75	9,3	36	165
7x0.75	10,2	50	205
2x1.0	7,9	19	110
3x1.0	8,3	29	135
4x1.0	8,9	38	160
5x1.0	9,8	48	195
7x1.0	10,7	67	235
2x1.5	8,6	29	140
3x1.5	9,1	43	160
4x1.5	10,0	58	210
5x1.5	10,8	72	240
7x1.5	11,6	101	295
12x1.5	15,4	173	385
16x1.5	17,1	231	615
24x1.5	21,2	346	905
2x2.5	10,1	48	185
3x2.5	10,7	72	225
4x2.5	11,8	96	285
5x2.5	12,9	120	335
7x2.5	13,8	168	415
12x2.5	18,3	288	710
2x4	11,8	77	265
3x4	12,9	115	330
4x4	13,8	154	375
5x4	15,3	192	460
2x6	13,9	116	360
3x6	14,8	173	435
4x6	16,4	230	525
5x6	18,0	288	665
2x10	17,5	192	495
3x10	18,9	288	720
4x10	20,8	384	860

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RoHS