HALLEY CABLES

N2GMH2G

Silicone Cable

High temperature operating mobile connection cable

www.halleycables.com

Construction:

Conductor	: tinned flexible copper wires.
Insulation	: silicone rubber compound, 2GI1, VDE 0207-20.
Lay-up	: cores laid up in layers of optimum pitch.
Outer sheath	: silicone rubber compound, 2GM1, VDE 0207-21.
Sheath colour	: oxbrown-red.

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	: + 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	: DIN VDE 0250-816.
Conductor	: IEC 60228 class 5, DIN EN 60228 class 5.
Core identification	: HD 308 S2 & VDE 0293-308.
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 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. These cables are used in all areas of low mechanical load e.g in ship building, power plants, cooking plants, glass and ceramic works, foundries, solarium and sauna installations for high power lighting fixtures etc. This cable N2GMH2G is constructed acccording to DIN VDE 0250-816 standard, but it is replaced by H05SS-F when constructed according to DIN VDE 0282-15 / HD 21.15 S1.

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RoHS

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DIMENSIONS

No. of cores x cross section mm²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
2x0.75	6,4	14	60
3x0.75	7,0	22	75
4x0.75	7,6	29	95
5x0.75	8,4	36	115
2x1.0	6,8	19	75
3x1.0	7,2	29	90
4x1.0	7,9	38	110
5x1.0	8,8	48	135
2x1.5	8,4	29	100
3x1.5	8,9	43	120
4x1.5	9,9	58	155
5x1.5	10,8	72	180
2x2.5	9,8	48	140
3x2.5	10,4	72	170
4x2.5	11,6	96	220
5x2.5	12,8	120	270

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The above values correspond to the manufacturer's specifications and are not guaranteed.

Created by HALLEY CABLES SRL August 2012.