

## GAALTHERM® SiAF

Silicone insulated strands



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### Construction:

<b>Conductor:</b>	Flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	Silicone type EI2, acc. to DIN VDE 0282 part 1 and HD 22.1
<b>Cores colour</b>	black (RAL 9005), for the other coloration, see technical data (PAG. 128)

### Features:

- ▶ flexible at low temperatures
- ▶ 0,6/1 kV on request

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V
<b>Test voltage:</b>	2000 V
<b>Min. bending radius:</b>	7,5 x d
<b>Radiation resistance:</b>	2 x 10 <sup>7</sup> cJ/kg
<b>Temperature range:</b>	
Fixed installation:	- 50°C to + 180°C
Flexible application:	- 25°C to + 180°C
In short circuit:	+ 250°C
<b>Resistance:</b>	
-Halogen-free acc. to:	DIN VDE 0482 part.267-1 IEC 60754-1 EN 50267-1
-Flame retardant and self extinguishing acc. to:	IEC 60332-1 + EN 50265-2-1 DIN VDE 0482 part 265-2-1
-Corrosiveness of combustion gases acc. to:	VDE 0482 part 267-2, IEC 60754-2 EN 50267-2
-Chemical resistance:	see technical informations
-Weather resistance:	very good

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Largest single-wire Ø mm ± 10%	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight kg/km	AWG no. *)
52020D01010M02	1x0,25	0,16	1,7	2,4	5	24
52020D01010M03	1x0,34	0,26	1,8	3,3	6	22
52020D01010M05	1x0,5	0,21	1,9	4,8	8	20
52020D01010M07	1x0,75	0,21	2,2	7,2	10	19
52020D01010M10	1x1	0,21	2,3	9,6	13	18
52020D01010M15	1x1,5	0,26	2,8	14,4	18	16
52020D01010M25	1x2,5	0,26	3,4	24,0	29	14
52020D01010M40	1x4	0,31	4,0	38,4	44	12
52020D01010M60	1x6	0,31	4,5	57,6	62	10
52020D01010M61	1x10	0,41	6,1	96,0	107	8
52020D01010M62	1x16	0,41	7,5	153,6	167	6
52020D01010M63	1x25	0,41	9,3	240,0	271	4
52020D01010M64	1x35	0,41	10,7	336,0	376	2
52020D01010M65	1x50	0,41	12,3	480,0	523	1
52020D01010M66	1x70	0,41	14,6	672,0	713	2/0
52020D01010M67	1x95	0,51	17,5	912,0	961	3/0
52020D01010M68	1x120	0,51	19,0	1152,0	1177	4/0
52020D01010M69	1x150	0,51	20,9	1440,0	1462	250 MCM
52020D01010M70	1x185	0,51	23,0	1776,0	1785	350 MCM
52020D01010M71	1x240	0,51	26,9	2304,0	2404	450 MCM
52020D01010M72	1x300	0,51	30,0	2880,0	2998	550 MCM

Other dimensions and colours are possible on request.