

GAALTHERM® SILICONE CABLES



GAALTHERM® SiAF/GL

Silicone insulated strands with fibre-glass braiding, 300/500 V or 0,6/1 kV



Construction:

Conductor:	Flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	Silicone type EI2, acc. to DIN VDE 0282 part 1 and HD 22.1
Standard colour:	natural
Braiding:	fibre-glass + impregnation lacquer

Features:

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

Technical data:

Nominal voltage:	Uo/U 300/500 V or 0,6/1 kV
Test voltage:	2000 V
Min. bending radius:	7,5 x d
Radiation resistance:	2 x 10 ⁷ cJ/kg
Temperature range:	
<i>Fixed installation:</i>	- 40°C to + 180°C
<i>Flexible application:</i>	- 25°C to + 180°C
<i>In short circuit:</i>	+ 250°C
Resistance:	<p>-Halogen-free acc. to: DIN VDE 0482 part.267-1 IEC 60754-1 EN 50267-1</p> <p>-Flame retardant and self extinguishing acc. to: IEC 60332-1 + EN 50265-2-1 DIN VDE 0482 part 265-2-1</p> <p>-Corrosiveness of combustion gases acc. to: VDE 0482 part 267-2, IEC 60754-2 EN 50267-2</p> <p>-Chemical resistance: see technical informations</p> <p>-Weather resistance: very good</p>

voltage 300/500 V

Part no.	No. of cores x cross section n x mm ²	Largest single-wire Ø mm ± 10%	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight kg/km	AWG no. *)
52040D08010M05	1x0,5	0,21	2,4	4,8	11	20
52040D08010M07	1x0,75	0,21	2,7	7,2	16	19
52040D08010M10	1x1	0,21	2,8	9,6	18	18
52040D08010M15	1x1,5	0,26	3,2	14,4	23	16
52040D08010M25	1x2,5	0,26	3,9	24,0	35	14
52040D08010M40	1x4	0,31	4,5	38,4	51	12
52040D08010M60	1x6	0,31	5,2	57,6	74	10
52040D08010M61	1x10	0,41	7,3	96,0	135	8
52040D08010M62	1x16	0,41	8,3	153,6	198	6
52040D08010M63	1x25	0,41	10,2	240,0	306	4
52040D08010M64	1x35	0,41	11,4	336,0	403	2
52040D08010M65	1x50	0,41	14,1	480,0	571	1
52040D08010M66	1x70	0,41	15,1	672,0	758	2/0
52040D08010M67	1x95	0,51	18,5	912,0	1045	3/0
52040D08010M68	1x120	-	-	-	-	4/0
52040D08010M69	1x150	-	-	-	-	250 MCM
52040D08010M70	1x185	-	-	-	-	350 MCM
52040D08010M71	1x240	-	-	-	-	450 MCM
52040D08010M72	1x300	-	-	-	-	550 MCM
52040D08010M73	1x400	-	-	-	-	750 MCM

Other dimensions and colours are possible on request.

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voltage 0,6/1 kV

Part no.	No. of cores x cross section n x mm ²	Largest single-wire Ø mm ± 10%	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight kg/km	AWG no. *)
52040G08010M05	1x0,5	0,21	2,6	5,0	12,1	20
52040G08010M07	1x0,75	0,21	2,9	7,4	17,6	19
52040G08010M10	1x1	0,21	3,0	9,8	19,8	18
52040G08010M15	1x1,5	0,26	3,4	14,6	25,3	16
52040G08010M25	1x2,5	0,26	4,1	24,2	38,5	14
52040G08010M40	1x4	0,31	4,7	38,6	56,1	12
52040G08010M60	1x6	0,31	5,4	57,8	81,4	10
52040G08010M61	1x10	0,41	7,5	96,2	148,5	8
52040G08010M62	1x16	0,41	8,5	153,8	217,8	6
52040G08010M63	1x25	0,41	10,4	240,2	336,6	4
52040G08010M64	1x35	0,41	11,6	336,2	443,3	2
52040G08010M65	1x50	0,41	14,3	480,2	628,1	1
52040G08010M66	1x70	0,41	15,3	672,2	833,8	2/0
52040G08010M67	1x95	0,51	18,7	912,2	1149,5	3/0
52040G08010M68	1x120	-	-	-	-	4/0
52040G08010M69	1x150	-	-	-	-	250 MCM
52040G08010M70	1x185	-	-	-	-	350 MCM
52040G08010M71	1x240	-	-	-	-	450 MCM
52040G08010M72	1x300	-	-	-	-	550 MCM
52040G08010M73	1x400	-	-	-	-	750 MCM

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