

GAALTHERM® SiHFGLP-J

Silicone with fibre-glass tape and steel wire armouring for mechanical protection



Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	silicone type E I2 acc. to EN50363-1
Colour core:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	in layers
Wrapping:	fibre-glass tape
Outer sheath:	reddish brown (similar RAL 3016), silicone type EM9 acc. to EN50363-1
Armour:	galvanized steel wire braid

Features:

- ▶ flexible at low temperatures
- ▶ protection against mechanical damage
- ▶ weather resistance

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Test voltage:	2000 V
Min. bending radius:	
<i>Fixed installation:</i>	5 x d
<i>Flexible application:</i>	10 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>

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. *)	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. *)
52190D93020M07	2x0,75	0,20	6,8	14,4	72,9	19	52190D90071M15	7G1,5	0,25	10,8	100,8	214,2	16
52190D92031M07	3G0,75	0,20	7,1	21,6	82,2	19	52190D93020M25	2x2,5	0,25	9,4	48,0	145,8	14
52190D92041M07	4G0,75	0,20	7,6	28,8	95,5	19	52190D92031M25	3G2,5	0,25	9,9	72,0	172,1	14
52190D92051M07	5G0,75	0,20	8,3	36,0	112,2	19	52190D92041M25	4G2,5	0,25	10,7	96,0	207,9	14
52190D90061M07	6G0,75	0,20	9,1	43,2	137,6	19	52190D92051M25	5G2,5	0,25	12,0	120,0	260,0	14
52190D90071M07	7G0,75	0,20	9,1	50,4	142,0	19	52190D90061M25	6G2,5	0,25	13,2	144,0	323,0	14
52190D93020M10	2x1	0,20	7,0	19,2	79,2	18	52190D90071M25	7G2,5	0,25	13,2	168,0	338,6	14
52190D92031M10	3G1	0,20	7,3	28,8	90,4	18	52190D93020M40	2x4	0,30	11,0	76,8	203,8	12
52190D92041M10	4G1	0,20	7,9	38,4	106,7	18	52190D92031M40	3G4	0,30	11,6	115,2	248,2	12
52190D92051M10	5G1	0,20	8,5	48,0	131,0	18	52190D92041M40	4G4	0,30	12,7	153,6	316,2	12
52190D90061M10	6G1	0,20	9,4	57,6	153,8	18	52190D92051M40	5G4	0,30	14,1	192,0	383,0	12
52190D90071M10	7G1	0,20	9,4	67,2	160,0	18	52190D90061M40	6G4	0,30	15,2	230,4	443,3	12
52190D93020M15	2x1,5	0,25	7,9	28,8	99,4	16	52190D90071M40	7G4	0,30	15,2	268,8	468,9	12
52190D92031M15	3G1,5	0,25	8,3	43,2	115,5	16	52190D93020M60	2x6	0,30	12,2	115,2	264,8	10
52190D92041M15	4G1,5	0,25	9,1	57,6	144,8	16	52190D92031M60	3G6	0,30	13,0	172,8	341,9	10
52190D92051M15	5G1,5	0,25	10,0	72,0	174,5	16	52190D92041M60	4G6	0,30	14,1	230,4	410,6	10
52190D90061M15	6G1,5	0,25	10,8	86,4	205,1	16	52190D92051M60	5G6	0,30	15,4	288,0	493,2	10

Other dimensions and colours are possible on request.