

GAALTHERM® HIGH TEMPERATURE CABLES

GAALTHERM® 180 C

Continuously flexible high temperature control cable with numbered cores and overall copper screen 0,6/1 kV



ELETTROTEK KABEL® GAALTHERM® 180 C



Construction:

Conductor:	Flexible tinned copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 545
Cores colour:	black cores with consecutive numbers, green-yellow from 3 cores acc. to EN 50334
Stranding:	in layers, with non woven tape over each layer
Screen:	tinned copper braid
Outer sheath:	grey (RAL 7000), type GAALTHERM® 540

Features:

- ▶ High temperature resistance
- ▶ high notch resistance
- ▶ very good flexibility
- ▶ Suitable for use on festoons as long as there is no friction or mechanical stress on the outer sheath with a max. tensile load of 15 N/mm²

Technical data:

Nominal voltage:	Uo/U 0,6/1 kV
Test voltage:	4000 V acc. to EN 50264
Temperature range:	Fixed laying: - 25°C up to + 180°C Flexible application: - 25°C up to + 180°C Short-time use: + 200°C
Min. bending radius: Continuously flexible:	15 x d
Resistance:	Self-extinguishing and flame retardant: acc. to IEC 60332-1-2 + EN 60332-1-2

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
51070G4L010M25	1x2,5	-	-	-	14
51070G4L010M40	1x4	7	54,6	-	12
51070G4L010M60	1x6	-	-	-	10
51070G4L010M61	1x10	9	118,7	-	8
51070G4L010M62	1x16	-	-	-	6
51070G4L010M63	1x25	-	-	-	4
51070G4L010M64	1x35	-	-	-	2
51070G4L010M65	1x50	-	-	-	1
51070G4L010M66	1x70	-	-	-	2/0
51070G4L010M67	1x95	22	456	-	3/0
51070G4L010M68	1x120	23,5	2289,3	-	4/0
51070G4L010M69	1x150	-	-	-	250 MCM

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
51070G40031M15	3G1,5	8,5	63,8	115	16
51070G40041M15	4G1,5	9	80,4	140	16
51070G40051M15	5G1,5	10	98,3	170	16
51070G40071M15	7G1,5	11,5	147,6	250	16
51070G40031M25	3G2,5	10	98,5	170	14
51070G40041M25	4G2,5	11,3	142,1	230	14
51070G40051M25	5G2,5	12,4	171,9	270	14
51070G40071M25	7G2,5	14,4	229,2	370	14
51070G40041M40	4G4	13	206,4	310	12
51070G40051M40	5G4	14,3	253,2	390	12
51070G40071M40	7G4	17	368	550	12
51070G40041M60	4G6	15,5	297,9	460	10
51070G40051M60	5G6	17,5	388	570	10
51070G40071M60	7G6	20,5	519,5	790	10
51070G40041M61	4G10	18	485,6	690	8
51070G40051M61	5G10	20	594,9	830	8
51070G40041M62	4G16	21,8	747,7	1010	6
51070G40051M62	5G16	24,3	922,4	1260	6
51070G40041M63	4G25	25,5	1117,5	1450	4
51070G40041M64	4G35	29,4	1532,5	1950	2

Other construction and sizes are available on request