

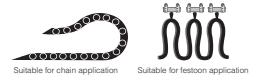
GAALTHERM® HIGH TEMPERATURE CABLES

GAALTHERM® 180

Continuously flexible high temperature control cable with numbered cores 0,6/1 kV



ELETTROTEK KABEL® GAALTHERM® 180



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
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:	U ₀ /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:	10 x d
Resistance:	Self-extinguishing and flame retardant: acc. to IEC 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. *)
51060G4L010M67	1 x 25	11,3	240	434	4
51060G4L010M67	1 x 95	20,9	912	-	3/0
51060G4L010M68	1 x 120	21,9	1152	-	4/0
51060G40031M15	3 G 1,5	8	43,2	100	16
51060G40041M15	4 G 1,5	8,5	57,6	120	16
51060G40051M15	5 G 1,5	9,5	72	150	16
51060G40071M15	7 G 1,5	10,5	100,8	210	16
51060G40031M25	3 G 2,5	10	72	148	14
51060G40041M25	4 G 2,5	10,5	96	185	14
51060G40051M25	5 G 2,5	11,8	120	240	14
51060G40071M25	7 G 2,5	13,8	168	330	14
51060G40121M25	12 G 2,5	16,5	288	483	14
51060G40191M25	19 G 2,5	20,3	456	710	14

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. *)
51060G40041M40	4 G 4	12,5	153,6	275	12
51060G40051M40	5 G 4	13,8	192	340	12
51060G40071M40	7 G 4	16,3	268,8	480	12
51060G40041M60	4 G 6	15	230,4	420	10
51060G40051M60	5 G 6	16,8	288	500	10
51060G40071M60	7 G 6	19,9	403,2	700	10
51060G40041M61	4 G 10	18	384	620	8
51060G40051M61	5 G 10	19,3	480	750	8
51060G40041M62	4 G 16	20,7	614,4	920	6
51060G40051M62	5 G 16	23,6	768	1150	6
51060G40041M63	4 G 25	24,5	960	1320	4
51060G40041M64	4 G 35	28,6	1344	1810	2

Other construction and sizes are available on request