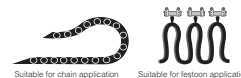


# TRACK CABLES

## GAALTHERM® 180 C

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

ELETTROTEK KABEL® GAALTHERM® 180 C



### Construction:

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

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV
<b>Test voltage:</b>	4 kV acc. to EN 50264
<b>Temperature range</b>	
<i>Fixed laying:</i>	-25°C up to +180°C
<i>Flexible installation:</i>	-25°C up to +180°C
<i>Short-time use:</i>	+ 200°C
<b>Min. bending radius</b>	
<i>Continuously flexible:</i>	15 x d

### 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/mm<sup>2</sup>

for MINIMUM BENDING RADIUS  
see pages from 5 to 8 of catalogue

RoHS and CE approval



Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
51070G4L010M40	1 x 4	7	54,6	-	12
51070G4L010M61	1 x 10	9	118,7	-	8
51070G4L010M67	1 x 95	22	456	-	3/0
51070G4L010M68	1 x 120	23,5	2289,3	-	4/0
51070G40031M15	3 G 1,5	8,5	63,8	115	16
51070G40041M15	4 G 1,5	9	80,4	140	16
51070G40051M15	5 G 1,5	10	98,3	170	16
51070G40071M15	7 G 1,5	11,5	147,6	250	16
51070G40031M25	3 G 2,5	10	98,5	170	14
51070G40041M25	4 G 2,5	11,3	142,1	230	14
51070G40051M25	5 G 2,5	12,4	171,9	270	14
51070G40071M25	7 G 2,5	14,4	229,2	370	14
51070G40041M40	4 G 4	13	206,4	310	12
51070G40051M40	5 G 4	14,3	253,2	390	12
51070G40071M40	7 G 4	17	368	550	12
51070G40041M60	4 G 6	15,5	297,9	460	10
51070G40051M60	5 G 6	17,5	388	570	10
51070G40071M60	7 G 6	20,5	519,5	790	10
51070G40041M61	4 G 10	18	485,6	690	8
51070G40051M61	5 G 10	20	594,9	830	8
51070G40041M62	4 G 16	21,8	747,7	1010	6
51070G40051M62	5 G 16	24,3	922,4	1260	6
51070G40041M63	4 G 25	25,5	1117,5	1450	4
51070G40041M64	4 G 35	29,4	1532,5	1950	2

Other dimension and colours available on request.