

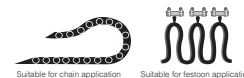
# TRACK CABLES

## GAALTHERM® 180 UL

Continuously flexible high temperature control cable with numbered cores 0,6/1 kV, UL/CSA 1000 V



ELETTROTEK KABEL® GAALTHERM® 180 UL  
UL Style 4476 200°C 1000 V cUL AWM I/II A/B 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>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>	Uo/U 0,6/1 kV
<b>UL/CSA:</b>	1000 V
<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>	10 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>

UL AWM Style 4476 200°C 1000 V  
cUL AWM I/II A/B 180°C

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. *)
51080H40031A16	3 G 1,5	8	43,2	100	16
51080H40041A16	4 G 1,5	8,5	57,6	120	16
51080H40051A16	5 G 1,5	9,5	72	150	16
51080H40071A16	7 G 1,5	10,5	100,8	210	16
51080H40031A14	3 G 2,5	10	72	148	14
51080H40041A14	4 G 2,5	10,5	96	185	14
51080H40051A14	5 G 2,5	11,8	120	240	14
51080H40071A14	7 G 2,5	13,8	168	330	14
51080H40191A14	19 G 2,5	21,8	456	710	14
51080H40041A12	4 G 4	12,5	153,6	275	12
51080H40051A12	5 G 4	13,8	192	340	12
51080H40071A12	7 G 4	16,3	268,8	480	12
51080H40041A10	4 G 6	15	230,4	420	10
51080H40051A10	5 G 6	16,8	288	500	10
51080H40071A10	7 G 6	19,9	403,2	700	10
51080H40041A08	4 G 10	18	384	620	8
51080H40051A08	5 G 10	19,3	480	750	8
51080H40041A06	4 G 16	21	614,4	920	6
51080H40051A06	5 G 16	23,6	768	1150	6
51080H40041A04	4 G 25	24,5	960	1320	4
51080H40041A02	4 G 35	28,6	1344	1810	2

Other dimension and colours available on request.