

GAALTHERM® 180 UL

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



ELETTROTEKKABEL® GAALTHERM® 180 UL
UL style 4476 200°C 1000 V cUL AWM I/II A/B 180°C

Construction:

CONDUCTOR:	FLEXIBLE TINNED COPPER CONDUCTOR CL. 6, ACC. TO IEC 60228, DIN VDE 0295
INSULATION:	GAALTHERM® 545
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
WRAPPING:	NON-WOVEN TAPE OVER EACH LAYER
OUTER SHEATH:	GREY (RAL 7000), G AALTHERM® 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:

NOMINAL VOLTAGE:	U ₀ /U 0,6/1 kV
UL/CSA:	1000 V
TEST VOLTAGE:	4 kV ACC. TO EN 50264
TEMPERATURE RANGE	
FIXED LAYING:	-25°C UP TO +180°C
FLEXIBLE INSTALLATION:	-25°C UP TO +180°C
SHORT-TIME USE:	+ 200°C
MIN. BENDING RADIUS	
CONTINUOUSLY FLEXIBLE:	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/mm²

UL AWM STYLE 4476 200°C 1000 V
CUL AWM I/II A/B 180°C

FOR SPEEDS AND MINIMUM BENDING RADIUS
SEE PAGES FROM 1 TO 4 OF CATALOGUE

ROHS AND CE APPROVAL



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. (*)
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.



GAALTHERM® 180 C UL

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



ELETTROTEKKABEL® GAALTHERM® 180 C UL
UL style 4476 200°C 1000 V cUL AWM I/II A/B 180°C

Construction:

CONDUCTOR:	FLEXIBLE TINNED COPPER CONDUCTOR CL. 6, ACC TO IEC 60228, DIN VDE 0295
INSULATION:	GAALTHERM® 545
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
WRAPPING:	NON-WOVEN TAPE OVER EACH LAYER
SCREEN:	TINNED COPPER BRAID
OUTER SHEATH:	GREY (RAL 7000), G AALTHERM® 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:

NOMINAL VOLTAGE:	U ₀ /U 0,6/1 kV
UL/CSA:	1000 V
TEST VOLTAGE:	4 kV ACC. TO EN 50264
TEMPERATURE RANGE	
FIXED LAYING:	-25°C UP TO +180°C
FLEXIBLE INSTALLATION:	-25°C UP TO +180°C
SHORT-TIME USE:	+ 200°C
MIN. BENDING RADIUS	
CONTINUOUSLY FLEXIBLE:	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/mm²
- UL AWM STYLE 4476 200°C 1000 V
CUL AWM I/II A/B 180°C
- FOR SPEEDS AND MINIMUM BENDING RADIUS
SEE PAGES FROM 1 TO 4 OF CATALOGUE

ROHS AND CE APPROVAL



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. (*)
51090H4L010A12	1 x 4	7	54,6	-	12
51090H4L010A08	1 x 10	9	118,7	-	8
51090H4L010A3C	1 x 95	22	456	-	3/0
51090H4L010A4C	1 x 120	23,5	2289,3	-	4/0
51090H40031A16	3 g 1,5	8,5	63,8	115	16
51090H40041A16	4 g 1,5	9	80,4	140	16
51090H40051A16	5 g 1,5	10	98,3	170	16
51090H40071A16	7 g 1,5	11,5	147,6	250	16
51090H40031A14	3 g 2,5	10	98,5	170	14
51090H40041A14	4 g 2,5	11,3	142,1	230	14
51090H40051A14	5 g 2,5	12,4	171,9	270	14
51090H40071A14	7 g 2,5	14,4	229,2	370	14
51090H40041A12	4 g 4	13	206,4	310	12
51090H40051A12	5 g 4	14,3	253,2	390	12
51090H40071A12	7 g 4	17	368	550	12
51090H40041A10	4 g 6	15,5	297,9	460	10
51090H40051A10	5 g 6	17,5	388	570	10
51090H40071A10	7 g 6	20,5	519,5	790	10
51090H40041A08	4 g 10	18	485,6	690	8
51090H40051A08	5 g 10	20	594,9	830	8
51090H40041A06	4 g 16	21,8	747,7	1010	6
51090H40051A06	5 g 16	24,3	922,4	1260	6
51090H40041A04	4 g 25	25,5	1117,5	1450	4
51090H40041A02	4 g 35	29,4	1532,5	1950	2

Other dimension and colours available on request.