

GAALTHERM® HIGH TEMPERATURE CABLES

GAALTHERM® 145 HT



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Construction:

Conductor:	Flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	XLPOC compound
Cores colour	Green-yellow, black, lightblue, brown, red, white, darkblue, green, grey, violet, orange and yellow. Other colours upon request.

Features:

- ▶ Halogen-free
- ▶ UV and ozone resistance
- ▶ abrasion resistance
- ▶ weather resistance
- ▶ Germanischer Lloyd approval
- ▶ On request: Bureau Veritas marine approval

Applications:

These temperature resistant single-cores cables are used for the internal wiring of lighting fixtures, heaters, electrical machinery, switching systems and distributors in equipment and plant and machinery, suitable for installation on, in and beneath plaster, in closed installation ducts, as well as for traffic systems and outdoor applications. These cables are not approved for direct rating on racks, gutter or tanks.

Technical data:

Nominal voltage:	U ₀ /U 300/500 V up to 1 mm ² U ₀ /U 450/750 V from 1,5 mm ² for fixed and protection installation: U ₀ /U 0,6/1 kV from 1,5 mm ²
Test voltage:	5000 V
Temperature range:	
Fixed installation:	-55°C to +145°C
Flexible application:	-35°C to + 120°C
Min. bending radius:	
Fixed installation:	4 x D
Flexible application:	12 x D
Resistance:	-Flame retardant acc. to: DIN VDE 0482 part 266-2, EN 50266-2, IEC 60332-3, BS 4066 part. 3 -Corrosiveness of combustion gases acc.to: DIN VDE 0482 part 267, EN 50267-2, IEC 60754-2 -Halogen-free acc. to: DIN VDE 0482 part 267-1, acc. to IEC 60754-1 EN 50267-1 -Smoke density acc. to: DIN VDE 0482 part 268-2, EN 50268-1/-2 IEC 61034-1 /61034-2, BS 7622

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight kg/km	AWG no. *)
51010D01010M02	1x0,25	1,8	2,4	4	24
51010D01010M03	1x0,33	2	3,2	5	22
51010D01010M05	1x0,5	2,1	4,8	7	20
51010D01010M07	1x0,75	2,4	7,2	11	19
51010D01010M10	1x1	2,7	9,6	14	18
51010E01010M15	1x1,5	3,2	14,4	20	16
51010E01010M25	1x2,5	3,8	24,0	30	14
51010E01010M40	1x4	4,5	38,0	47	12
51010E01010M60	1x6	5,3	58,0	72	10
51010E01010M61	1x10	6,7	96,0	120	8
51010E01010M62	1x16	8,4	154,0	182	6
51010E01010M63	1x25	10,2	240,0	272	4
51010E01010M64	1x35	11,6	336,0	371	2
51010E01010M65	1x50	13,7	480,0	530	1
51010E01010M66	1x70	15,8	672,0	730	2/0
51010E01010M67	1x95	18,2	912,0	964	3/0
51010E01010M68	1x120	20,2	1152,0	1235	4/0
51010E01010M69	1x150	22,1	1440,0	1523	250 MCM
51010E01010M70	1x185	24,8	1776,0	1850	350 MCM
51010E01010M71	1x240	27,7	2304,0	2432	450 MCM

Other dimensions and colours are possible on request.