

INDUSTRIAL LOW VOLTAGE CABLES

GAALFLEX CONTROL 1000 BH

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca



ELETTROTEK KABEL® GAALFLEX CONTROL 1000 BH, Eca

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	GAALTHERM 530
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Inner sheath:	not hygroscopic filler
Outer sheath:	green (RAL 6018), thermoplastic, halogen-free, type GAALTHERM 535

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius	
<i>Power cables:</i>	4 x d
<i>Control cables:</i>	6 x d
Max. tensile stress:	50 N/mm ²

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50266-2-4
IEC 60332-1-2 CEI 20-22 III
(equivalent IEC 60332-3-24)



Halogen free acc. to:
DIN VDE 0482 part 267
EN 50267-2-1
IEC 60754-1



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2



Smoke density acc. to:
IEC 61034
EN 61034, CEI 20-38

Features:

CEI 20-13 / 20-22 III (EN 50266) / 20-35 (EN 60332-1)
20-37 (EN 50267) / UNEL TABLES 35382 - 35384

according to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca

classification (CEI UNEL 35016), EN 13501-6

on request outer sheath grey (RAL 7001) identified with "5"
on the 7th number of Part no.

for automation cable version please see codes 3125... , 3126...

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. *)
46150GEL010M15	1x1,5	6,4	14,4	50	16
46150GEL010M25	1x2,5	6,9	24	63	14
46150GEL010M40	1x4	7,5	38,4	80	12
46150GEL010M60	1x6	8,1	57,6	103	10
46150GEL010M61	1x10	9,2	96	149	8
46150GEL010M62	1x16	10,1	153,6	204	6
46150GEL010M63	1x25	12	240	297	4
46150GEL010M64	1x35	13,2	336	390	2
46150GEL010M65	1x50	15,1	480	544	1
46150GEL010M66	1x70	17	672	740	2/0
46150GEL010M67	1x95	18,9	912	948	3/0
46150GEL010M68	1x120	21	1152	1200	4/0
46150GEL010M69	1x150	23,1	1440	1485	250 MCM
46150GEL010M70	1x185	25,3	1776	1820	350 MCM
46150GEL010M71	1x240	28,4	2304	2336	450 MCM
46150GEL010M72	1x300	31,1	2880	2926	550 MCM
46150GEL010M73	1x400	36	3840	3956	750 MCM
46150GEL010M74	1x500	39,1	4800	5407	950 MCM
46150GEL010M75	1x630	43,2	6048	6758	1200 MCM
46150GE3020M15	2x1,5	11,3	28,8	142	16
46150GE3020M25	2x2,5	12,3	48	179	14
46150GE3020M40	2x4	13,5	76,8	229	12
46150GE3020M60	2x6	14,6	115,2	293	10
46150GE3020M61	2x10	16,6	192	418	8
46150GE3020M62	2x16	18,7	307,2	582	6
46150GE3020M63	2x25	22,1	480	821	4
46150GE3020M64	2x35	24,6	672	1089	2
46150GE3020M65	2x50	28,3	960	1526	1
46150GE3020M66	2x70	32,4	1344	2108	2/0
46150GE3020M67	2x95	36,3	1824	2739	3/0
46150GE3020M68	2x120	40,5	2304	3426	4/0
46150GE3020M69	2x150	44,9	2880	4046	250 MCM

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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. *)
46150GE2031M15	3G1,5	11,8	43,2	161	16
46150GE2031M25	3G2,5	12,9	72	208	14
46150GE2031M40	3G4	14,2	115,2	268	12
46150GE2031M60	3G6	15,4	172,8	348	10
46150GE2031M61	3G10	17,8	288	514	8
46150GE2031M62	3G16	19,8	460,8	716	6
46150GE2031M63	3G25	23,4	720	1029	4
46150GE2031M64	3G35	26	1008	1391	2
46150GE2031M65	3G50	30,8	1440	1943	1
46150GE2031M66	3G70	35,1	2016	2675	2/0
46150GE2031M67	3G95	39,3	2736	3449	3/0
46150GE2031M68	3G120	43,8	3456	4372	4/0
46150GE2031M69	3G150	48,7	4320	5383	250 MCM
46150GE2031M70	3G185	54,6	5328	6670	350 MCM
46150GE2031M71	3G240	61,5	6912	8671	450 MCM
46150GE2031M72	3G300	68	8640	10700	550 MCM
46150GE2041M15	4G1,5	12,7	57,6	189	16
46150GE2041M25	4G2,5	13,8	96	247	14
46150GE2041M40	4G4	15,2	153,6	318	12
46150GE2041M60	4G6	16,7	230,4	419	10
46150GE2041M61	4G10	19,2	384	626	8
46150GE2041M62	4G16	21,7	614,4	890	6
46150GE2041M63	4G25	25,7	960	1280	4
46150GE2041M64	4G35	28	1344	1713	2
46150GE2041M65	4G50	35	1920	2472	1
46150GE2041M66	4G70	42	2688	3426	2/0
46150GE2041M67	4G95	43	3648	4526	3/0
46150GE2041M68	4G120	50	4608	5730	4/0
46150GE2041M69	4G150	54	5760	7447	250 MCM
46150GE2041M70	4G185	65	7104	9350	350 MCM
46150GE2041M71	4G240	72	9216	12277	450 MCM
46150GE2035M64	3x35+25	28,2	1248	1613	2
46150GE2035M65	3x50+25	31,7	1680	2172	1
46150GE2035M66	3x70+35	36,6	2352	2992	2/0
46150GE2035M67	3x95+50	41,7	3216	3924	3/0
46150GE2035M68	3x120+70	46,3	4128	4873	4/0
46150GE2035M69	3x150+95	52,3	5232	6370	250 MCM
46150GE2035M70	3x185+95	57,1	6240	7640	350 MCM
46150GE2035M71	3x240+150	65,5	8352	10093	450 MCM
46150GE2035M72	3x300+150	70,8	10080	12075	550 MCM
46150GE2051M15	5G1,5	13,6	72	219	16
46150GE2051M25	5G2,5	14,9	120	294	14
46150GE2051M40	5G4	16,6	192	385	12
46150GE2051M60	5G6	18,2	288	510	10
46150GE2051M61	5G10	20,9	480	765	8
46150GE2051M62	5G16	23,8	768	1113	6
46150GE2051M63	5G25	28,3	1200	1642	4
46150GE2051M64	5G35	32,5	1680	2162	2
46150GE2051M65	5G50	38,1	2400	3018	1
46150GE2051M66	5G70	46,5	3360	4348	2/0
46150GE2051M67	5G95	51	4560	5631	3/0
46150GE0071M15	7G1,5	14,8	100,8	270	16
46150GE0071M25	7G2,5	16,2	168	321	14
46150GE0101M15	10G1,5	17,7	144	358	16
46150GE0101M25	10G2,5	19,5	240	418	14
46150GE0121M15	12G1,5	18,6	172,8	404	16
46150GE0121M25	12G2,5	20,1	288	476	14
46150GE0161M15	16G1,5	20,2	230,4	518	16
46150GE0161M25	16G2,5	22,7	384	609	14
46150GE0191M15	19G1,5	21	273,6	586	16
46150GE0191M25	19G2,5	23,5	456	687	14
46150GE0241M15	24G1,5	24,2	345,6	706	16
46150GE0241M25	24G2,5	27,1	576	843	14
46150GE0271M15	27G1,5	24	388,8	810	16
46150GE0271M25	27G2,5	26,8	648	1119	14
46150GE0301M15	30G1,5	24,8	432	874	16
46150GE0301M25	30G2,5	27,6	720	1212	14

Other dimensions and colours available on request.