

CONTROL AND CONNECTION CABLES

GAALFLEX® CONTROL H07ZZ-F

Halogen-free power cable, multi core, 450/750 V

HAR



ELETTROTEK KABEL® GAALFLEX CONTROL H07ZZ-F

Construction:

- Conductor:** flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
- Insulation:** halogen-free type EI8
- 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
- Outer sheath:** black (similar to RAL 9005), halogen-free type EM8

Resistance:



Self-extinguishing and flame retardant acc. to:

DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2,
DIN VDE 0482 part 265-5-2
EN 50265-5-2
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 61034-1-2

Technical data:

- Nominal voltage:** 450/750 V
- Test voltage:** 2,5 kV
- Temperature range** -20 up to +90°C
- Max. short circuit temperature:** + 250°C
- Min. bending radius** D<8 D<12 D<20 D>20
- Fixed laying:** 3xD 3xD 4xD 4xD
- Flexible installation:** 4xD 4xD 5xD 6xD
- Tensile strength:** 15 N/mm²

Features:

- flexible
- 0,6/1 kV version on request
- <HAR>
- 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. *)
31560E7L010M15	1x1,5	6,4	14	50	16
31560E7L010M25	1x2,5	7,1	24	65	14
31560E7L010M40	1x4	8,1	38	89	12
31560E7L010M60	1x6	8,8	58	115	10
31560E7L010M61	1x10	11	96	190	8
31560E7L010M62	1x16	12,1	154	259	6
31560E7L010M63	1x25	14,2	240	375	4
31560E7L010M64	1x35	16,1	336	492	2
31560E7L010M65	1x50	18,5	480	675	1
31560E7L010M66	1x70	21	672	908	2/0
31560E7L010M67	1x95	23,5	912	1171	3/0
31560E7L010M68	1x120	25,8	1152	1445	4/0
31560E7L010M69	1x150	28,2	1440	1783	250 MCM
31560E7L010M70	1x185	31	1776	2125	350 MCM
31560E7L010M71	1x240	34,5	2304	2733	450 MCM
31560E7L010M72	1x300	37,5	2880	3348	550 MCM
31560E7L010M73	1x400	42	3840	4200	750 MCM
31560E7L010M74	1x500	47	4800	5500	1000 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. *)
31560E73020M10	2x1	9	19	90	18
31560E73020M15	2x1,5	10	29	109	16
31560E73020M25	2x2,5	11,5	48	158	14
31560E73020M40	2x4	13,5	77	217	12
31560E73020M60	2x6	15	115	282	10
31560E73020M61	2x10	20,5	192	539	8
31560E73020M62	2x16	22,5	307	722	6
31560E73020M63	2x25	27,3	480	1043	4
31560E72031M10	3G1	9,4	29	110	18
31560E72031M15	3G1,5	10,5	43	134	16
31560E72031M25	3G2,5	12,5	72	196	14
31560E72031M40	3G4	14,5	115	271	12
31560E72031M40	3G6	16	173	355	10
31560E72031M61	3G10	21,5	288	674	8
31560E72031M62	3G16	24,8	461	913	6
31560E72031M63	3G25	29,5	720	1324	4
31560E72031M64	3G35	33	1008	1754	2
31560E72031M65	3G50	38,5	1440	2409	1
31560E72031M66	3G70	43,5	2016	3211	2/0
31560E72031M67	3G95	49	2736	4210	3/0
31560E72031M68	3G120	53,5	3456	5205	4/0
31560E72031M69	3G150	59	4320	6389	250 MCM
31560E72031M70	3G185	54,5	5328	7591	350 MCM
31560E72031M71	3G240	73,5	6192	9944	450 MCM
31560E72031M72	3G300	81	8640	11545	550 MCM
31560E72041M10	4G1	10,2	38	136	18
31560E72041M15	4G1,5	11,5	58	166	16
31560E72041M25	4G2,5	13,5	96	241	14
31560E72041M40	4G4	16	154	336	12
31560E72041M60	4G6	18	230	449	10
31560E72041M61	4G10	23,5	384	833	8
31560E72041M62	4G16	27	614	1138	6
31560E72041M63	4G25	32,5	960	1714	4
31560E72041M64	4G35	37	1334	2204	2
31560E72041M65	4G50	42,5	1920	3029	1
31560E72041M66	4G70	48	2688	4121	2/0
31560E72041M67	4G95	53	3638	5361	3/0
31560E72041M68	4G120	60	4608	6546	4/0
31560E72041M69	4G150	66	5760	8095	250 MCM
31560E72041M70	4G185	72	7104	9652	350 MCM
31560E72041M71	4G240	82	9216	12614	450 MCM
31560E72041M72	4G300	90	11520	17045	550 MCM
31560E72051M10	5G1	11,5	48	168	18
31560E72051M15	5G1,5	12,5	72	206	16
31560E72051M25	5G2,5	15,5	120	297	14
31560E72051M40	5G4	17,5	192	422	12
31560E72051M60	5G6	20	288	567	10
31560E72051M61	5G10	26	480	1010	8
31560E72051M62	5G16	30	768	1400	6
31560E72051M63	5G25	36	1200	2096	4
31560E70071M15	7G1,5	15,5	101	315	16
31560E70071M25	7G2,5	18	268,8	445	14
31560E70071M40	7G4	20,5	168	618	12
31560E70101M15	10G1,5	18	144	420	16
31560E70121M25	12G1,5	20	175	493	16
31560E70121M25	12G2,5	23	288	702	14
31560E70121M40	12G4	28	460	1004	12
31560E70191M15	19G1,5	23,5	274	710	16
31560E70191M25	19G2,5	27,5	456	1030	14
31560E70241M15	24G1,5	27,5	346	898	16
31560E70241M25	24G2,5	33	576	1312	14
31560E70361M15	36G1,5	32	518	1246	16
31560E70361M25	36G2,5	37,5	864	1851	14

Other dimension and colours available on request.