

CONTROL AND CONNECTION CABLES

GAALFLEX® CONTROL 500 BH

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



ELETTROTEK KABEL® GAALFLEX® CONTROL 500 BH, Eca



Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228, DIN VDE 0295
Insulation:	halogen-free compound
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2, JB/OB color code green-yellow earth-wire from 3 cores
Stranding:	in layers
Outer sheath:	grey (RAL 7001) halogen-free compound

Resistance:

	Fire performance acc. to: DIN VDE 0482 part 266-2 EN 50266-2 IEC 60332-3-24
	Flame retardant and Self-extinguishing acc. to: DIN VDE 0482 part 265-2-1 EN 50265-2-1 IEC 60332-1-2
	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
	Low smoke density acc. to: DIN VDE 0482 part. 268-1-2, IEC 61034-1-2, EN 50268-1-2

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Test voltage:	2 kV
Temperature range	
Fixed laying:	-40°C up to +70°C
Flexible application:	-5°C up to +70°C
Min. bending radius	
Fixed laying:	4 x d
Flexible application:	12,5 x d
Radiation resistance:	8 x 10 ⁷ cJ/kg

Features:

flexible
available with coloured cores
acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca
classification (CEI UNEL 35016), EN 13501-6
RoHS and CE approval



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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. *)
31430D53020M05	2 x 0,5	4,8	9,6	43	20
31430D52031M05	3 G 0,5	5,1	14,4	50	20
31430D52041M05	4 G 0,5	5,7	19	60	20
31430D52051M05	5 G 0,5	6,2	24	71	20
31430D53020M07	2 x 0,75	5,2	14,4	47	19
31430D52031M07	3 G 0,75	5,5	21,5	56	19
31430D52041M07	4 G 0,75	6,2	29	69	19
31430D52051M07	5 G 0,75	6,8	36	83	19
31430D53020M10	2 x 1	5,5	19,2	63	18
31430D52031M10	3 G 1	6	29	74	18
31430D52041M10	4 G 1	6,6	38,4	90	18
31430D52051M10	5 G 1	7,2	48	109	18
31430D53020M15	2 x 1,5	6,3	29	70	16
31430D52031M15	3 G 1,5	6,7	43	94	16
31430D52041M15	4 G 1,5	7,3	58	112	16
31430D52051M15	5 G 1,5	8,2	72	141	16
31430D53020M25	2 x 2,5	7,6	48	118	14
31430D52031M25	3 G 2,5	8,3	72	151	14
31430D52041M25	4 G 2,5	9,1	96	181	14
31430D52051M25	5 G 2,5	10,2	120,6	224	14
31430D53020M40	2 x 4	9,2	77	199	12
31430D52031M40	3 G 4	9,9	115	247	12
31430D52041M40	4 G 4	11	154	299	12
31430D52051M40	5 G 4	12,1	192	369	12
31430D53020M60	2 x 6	10,8	115	266	10
31430D52031M60	3 G 6	11,7	173	360	10
31430D52041M60	4 G 6	13	230	429	10
31430D52051M60	5 G 6	14,5	288	529	10
31430D53020M61	2 x 10	14	192	440	8
31430D52031M61	3 G 10	15	288	550	8
31430D52041M61	4 G 10	16,8	384	708	8
31430D52051M61	5 G 10	18,7	480	862	8
31430D53020M62	2 x 16	16,5	307	642	6
31430D52031M62	3 G 16	17,6	461	830	6
31430D52041M62	4 G 16	19,7	614	1060	6
31430D52051M62	5 G 16	21,9	768	1270	6
31430D52031M63	3 G 25	22,5	720	1190	4
31430D52041M63	4 G 25	25,2	960	1594	4
31430D52051M63	5 G 25	27,9	1200	2014	4
31430D52031M64	3 G 35	25,2	1008	1590	2
31430D52041M64	4 G 35	28	1344	2200	2
31430D52051M64	5 G 35	31	1680	2693	2
31430D52031M65	3 G 50	29,5	1440	2571	1
31430D52041M65	4 G 50	33,4	1920	3087	1
31430D52051M65	5 G 50	37,2	2400	3980	1
31430D52031M66	3 G 70	37	2016	3207	2/0
31430D52041M66	4 G 70	41,2	2688	4077	2/0
31430D52051M66	5 G 70	46	3360	5501	2/0
31430D52031M67	3 G 95	41	2736	4708	3/0
31430D52041M67	4 G 95	46	3648	5590	3/0
31430D52051M67	5 G 95	50,5	4560	6972	3/0
31430D52031M68	3 G 120	45,7	3456	5515	4/0
31430D52041M68	4 G 120	50,3	4608	7100	4/0

Other dimension and colours available on request.