

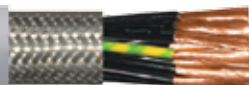
CONTROL AND CONNECTION CABLES

GAALFLEX® CONTROL 500 CH Lean

Halogen-free compound control cable with overall copper screen, 300/500 V



ELETTROTEK KABEL® GAALFLEX® CONTROL 500 CH lean



Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228, DIN VDE 0295
Insulation:	halogen-free compound type TI6
Colour cores:	black cores with consecutive numbers acc. to EN 50334, green-yellow from 3 cores
Stranding:	in layers
Screen:	tinned copper braid
Outer sheath:	grey (RAL 7001) halogen-free compound type TM7 acc. to IEC 60092-353

Resistance:



Flame retardant and Self-extinguishing acc. to:

DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-2-1 (flame spread on a single cable)
IEC 60332-3-24 respectively IEC 60332-3-25 (flame spread on vertical cable or wire bundle)



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	
<i>Fixed laying:</i>	-40°C up to +70°C
<i>Flexible application:</i>	-15°C up to +70°C
Min. bending radius	
<i>Fixed laying:</i>	6 x d
<i>Flexible application:</i>	15 x d

Features:

good EMC critical environments.

RoHS and CE approval



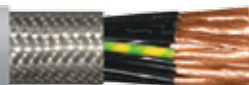
CONTROL AND CONNECTION CABLES

GAALFLEX® CONTROL 500 CH Lean

Halogen-free compound control cable with overall copper screen, 300/500 V



ELETTROTEK KABEL® GAALFLEX® CONTROL 500 CH lean



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. *)
31090D51020M05	2 x 0,5	5,5	22,4	43,7	20
31090D50031M05	3 G 0,5	5,8	27,3	52,3	20
31090D50041M05	4 G 0,5	6,3	36,6	67,4	20
31090D50051M05	5 G 0,5	6,9	41,7	79,1	20
31090D50071M05	7 G 0,5	7,5	56,1	99,6	20
31090D50121M05	12 G 0,5	9,7	90,1	160,3	20
31090D50181M05	18 G 0,5	11,5	123,6	224,3	20
31090D50251M05	25 G 0,5	13,4	177,8	308,1	20
31090D51020M07	2 x 0,75	5,9	31,6	55,7	19
31090D50031M07	3 G 0,75	6,3	39	67,5	19
31090D50041M07	4 G 0,75	6,9	46,4	81,2	19
31090D50051M07	5 G 0,75	7,5	58,5	100,7	19
31090D50071M07	7 G 0,75	8,2	73,3	122,8	19
31090D50121M07	12 G 0,75	10,7	118,9	198,2	19
31090D50181M07	18 G 0,75	12,6	171,4	286	19
31090D50251M07	25 G 0,75	14,8	246,1	394,3	19
31090D51020M10	2 x 1	6,3	36,6	62,6	18
31090D50031M10	3 G 1	6,7	46,3	76,7	18
31090D50041M10	4 G 1	7,3	60,7	98,1	18
31090D50051M10	5 G 1	8	70,8	116,9	18
31090D50071M10	7 G 1	8,7	95,1	148,3	18
31090D50121M10	12 G 1	11,4	152,4	237,7	18
31090D50181M10	18 G 1	13,7	230,6	357,1	18
31090D50251M10	25 G 1	15,8	306,1	465,9	18
31090D51020M15	2 x 1,5	6,9	46,5	76,4	16
31090D50031M15	3 G1,5	7,4	65,6	101	16
31090D50041M15	4 G1,5	8,1	80,4	123,8	16
31090D50051M15	5 G1,5	8,9	99,9	153,6	16
31090D50121M15	12 G1,5	12,8	214,6	315	16
31090D50181M15	18 G 1,5	15,4	325,3	474,6	16
31090D50251M15	25 G 1,5	17,8	442,6	630,8	16
31090D51020M25	2x2,5	8,3	71	111,8	14
31090D50031M25	3G2,5	8,9	99,9	148,1	14
31090D50041M25	4G2,5	9,8	128,5	188,7	14
31090D50051M25	5G2,5	10,8	152,5	227,7	14
31090D50071M25	7G2,5	11,8	205,2	291,3	14
31090D50121M25	12G2,5	15,9	354,1	498,9	14
31090D50031M40	3G4	10,5	147,7	210,6	12
31090D50041M40	4G4	11,5	190,8	269,6	12
31090D50051M40	5G4	12,8	233,8	333,6	12
31090D50071M40	7G4	14,3	326,6	442,5	12
31090D50031M60	3G6	12,3	214,6	297,6	10
31090D50041M60	4G6	13,8	288,2	396	10
31090D50051M60	5G6	15,3	354,1	490,8	10
31090D50041M61	4G10	17,1	458,4	616,8	8
31090D50051M61	5G10	19,1	562,6	766,2	8
31090D50041M62	4G16	19,9	705,3	893,4	6
31090D50051M62	5G16	22,2	867,2	1111	6
31090D50041M63	4G25	24,6	1075,7	1358,5	4
31090D50041M64	4G35	27,9	1468	1803,1	2
31090D50041M65	4G50	35	2085,3	2663,6	1
31090D50041M66	4G70	40	2886,3	3579,1	2/0

Other dimension and colours available on request.