

GAALFLEX® CONTROL 540 P

PUR control cable with coloured cores, 300/500 and 450/750 V



ELETTROTEK KABEL® GAALFLEX® CONTROL 540 P



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, green-yellow earth-wire from 3 cores
Stranding:	in layers
Outer sheath:	yellow (RAL 1021) PUR type TmpU

Resistance:



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 0472, part 815
EN 50267-2-1
IEC 60754-1



Corrosiveness of conflagration gases acc. to:
DIN VDE 0472 part 267-2-2
EN 50267-2-2
IEC 60754-2



Oil resistance:
DIN VDE 0282 part 10 + HD 22.10
DIN VDE 0473 part 811-2-1
IEC EN 60811-2-1
very good-TmpU

Technical data:

Nominal voltage:	U ₀ /U 300/500 V from 0.75 mm ² to 1mm ² U ₀ /U 450/750 V from 1 mm ² to 16mm ²
Test voltage:	3 kV acc.to DIN VDE 0281 part 2 + HD 21.2
Temperature range	
<i>Fixed laying:</i>	-40°C up to +90°C
<i>Flexible installation:</i>	-15°C up to +90°C
Min. bending radius	
<i>Fixed laying:</i>	4 x d
<i>Flexible installation:</i>	6 x d

Features:

- abrasion resistant
- notch resistant
- chemical resistant
- RoHS and CE approval



CONTROL AND CONNECTION CABLES

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300/500 V

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. *)
31120DY3020M07	2 x 0,75	6,2	14,4	48	19
31120DY2031M07	3 G 0,75	6,7	21,6	61	19
31120DY2041M07	4 G 0,75	7,3	28,8	75	19
31120DY2051M07	5 G 0,75	8,2	36	95	19
31120DY3020M10	2 x 1	6,7	19,2	58	18
31120DY2031M10	3 G 1	7,1	28,8	71	18
31120DY2041M10	4 G 1	7,7	38,4	87	18
31120DY2051M10	5 G 1	8,6	48	110	18

Other dimension and colours available on request.

450/750 V

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. *)
31120EY3020M10	2 x 1	7,5	19,2	69	18
31120EY2031M10	3 G 1	7,9	28,8	84	18
31120EY2041M10	4 G 1	8,8	38,4	106	18
31120EY2051M10	5 G 1	9,9	48	135	18
31120EY3020M15	2 x 1,5	8,3	28,8	87	16
31120EY2031M15	3 G 1,5	8,8	43,2	106	16
31120EY2041M15	4 G 1,5	9,8	57,6	134	16
31120EY2051M15	5 G 1,5	10,7	72	167	16
31120EY3020M25	2 x 2,5	9,8	48	127	14
31120EY2031M25	3 G 2,5	10,4	72	158	14
31120EY2041M25	4 G 2,5	11,5	96	198	14
31120EY2051M25	5 G 2,5	12,9	120	252	14
31120EY3020M40	2 x 4	11,4	76,8	182	12
31120EY2031M40	3 G 4	12,1	115,2	229	12
31120EY2041M40	4 G 4	13,4	153,6	289	12
31120EY2051M40	5 G 4	15	192	365	12
31120EY3020M60	2 x 6	12,8	115,2	242	10
31120EY2031M60	3 G 6	13,8	172,8	312	10
31120EY2041M60	4 G 6	15,2	230,4	393	10
31120EY2051M60	5 G 6	17	288	496	10
31120EY3020M61	2 x 10	17,1	192	428	8
31120EY2031M61	3 G 10	18,3	288	546	8
31120EY2041M61	4 G 10	20,1	384	684	8
31120EY2051M61	5 G 10	22,3	480	856	8
31120EY3020M62	2 x 16	19,8	307	608	6
31120EY2031M62	3 G 16	21,4	460,8	792	6
31120EY2041M62	4 G 16	23,3	614,4	988	6
31120EY2051M62	5 G 16	26,1	768	1248	6

Other dimension and colours available on request.