

CONTROL AND CONNECTION CABLES

GAALFLEX® CONTROL 540 CP

PUR control cable with coloured cores, inner sheath and overall copper screen, 300/500 and 450/750 V



ELETTROTEK KABEL® GAALFLEX® CONTROL 540 CP

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
Inner sheath:	yellow (RAL 1021) Halogen free compound
Screen:	tinned copper braid
Wrapping:	non woven tapee
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 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



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>	-30°C up to +90°C
Min. bending radius	
<i>Fixed laying:</i>	5 x d
<i>Flexible installation:</i>	10 x d

Features:

abrasion resistant
notch resistant
chemical resistant
RoHS and CE approval



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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. *)
31130DY3020M07	2 x 0,75	8,5	31	103	19
31130DY2031M07	3 G 0,75	9	38,4	115	19
31130DY2041M07	4 G 0,75	9,6	45,9	130	19
31130DY2051M07	5 G 0,75	10,5	56,8	157	19
31130DY3020M10	2 x 1	9	36,8	116	18
31130DY2031M10	3 G 1	9,4	45,8	128	18
31130DY2041M10	4 G 1	10	59,1	148	18
31130DY2051M10	5 G 1	10,9	69	175	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. *)
31130EY3020M10	2 x 1	9,8	36,4	135	18
31130EY2031M10	3 G 1	10,4	49,6	154	18
31130EY2041M10	4 G 1	11,1	59,5	174	18
31130EY2051M10	5 G 1	12,4	73	216	18
31130EY3020M15	2 x 1,5	10,6	49,7	164	16
31130EY2031M15	3 G 1,5	11,1	64,3	179	16
31130EY2041M15	4 G 1,5	12,3	82,6	218	16
31130EY2051M12	5 G 1,5	13,6	109,7	273	16
31130EY3020M25	2 G 2,5	12,3	73	229	14
31130EY2031M25	3 G 2,5	12,9	97,3	254	14
31130EY2041M25	4 G 2,5	14,2	134,2	310	14
31130EY2051M25	5 G 2,5	15,6	159,2	369	14
31130EY3020M40	2 x 4	14,1	114,9	317	12
31130EY2031M40	3 G 4	15	153,9	360	12
31130EY2041M40	4 G 4	16,3	198,3	428	12
31130EY2051M40	5 G 4	17,9	237,7	512	12
31130EY3020M60	2 x 6	15,5	154,3	396	10
31130EY2031M60	3 G 6	16,5	217,7	460	10
31130EY2041M60	4 G 6	17,9	276,1	543	10
31130EY2051M60	5 G 6	19,9	340,5	668	10
31130EY3020M61	2 x 10	19,2	244	628	8
31130EY2031M61	3 G 10	20,2	340,7	719	8
31130EY2041M61	4 G 10	22,2	444,2	870	8
31130EY2051M61	5 G 10	24,6	548,8	1066	8
31130EY3020M62	2 x 16	22,1	367,3	871	6
31130EY2031M62	3 G 16	23,5	521,8	1018	6
31130EY2041M62	4 G 16	25,8	684	1237	6
31130EY2051M62	5 G 16	28,6	846,6	1514	6

Other dimension and colours available on request.