

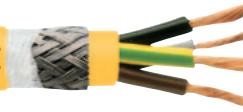
# Control and connection cables

## CC 540 CP

PUR control cable with coloured cores, halogen-free, oil resistant and overall copper screen



BRÜCKSKES · D-VIERSEN · CC 540 CP 450/750V 4G1,5mm<sup>2</sup> CE



Marking for CC 540 CP 52850415:

SAB BRÜCKSKES · D-VIERSEN · CC 540 CP 450/750V 4G1,5mm<sup>2</sup> CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX®
<b>Colour code:</b>	coloured acc. to HD 308 (VDE 0293-308), green-yellow earth wire from 3 cores
<b>Stranding:</b>	in layers
<b>Inner sheath:</b>	SABIX®
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Sheath colour:</b>	yellow (RAL 1021)

### Outstanding features:



- oil resistant
- abrasion resistant
- notch resistant
- good chemical resistance
- good EMC characteristics

### Technical data:

<b>Nominal voltage:</b>	0,75 mm <sup>2</sup> - 1,00 mm <sup>2</sup> : U <sub>o</sub> /U 300/500 V 1,00 mm <sup>2</sup> - 16,0 mm <sup>2</sup> : U <sub>o</sub> /U 450/750 V
<b>Testing voltage:</b>	300/500 V: core/core 2000 V 300/500 V: core/screen 2000 V 450/750 V: core/core 2500 V 450/750 V: core/screen 2500 V
<b>Min. bending radius</b>	
fixed laying:	5 x d
flexible application:	10 x d
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
fixed laying:	-40/+90 °C
flexible application:	-30/+90 °C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Flexibility:</b>	very good
<b>Weather resistance:</b>	good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“

### 300/500 V

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
52850207	2 x 0,75	0,21	8,5	31,0	103
52850307	3 x 0,75	0,21	9,0	38,4	115
52850407	4 x 0,75	0,21	9,6	45,9	130
52850507	5 x 0,75	0,21	10,5	56,8	157
52850211	2 x 1,00	0,21	9,0	36,0	116
52850311	3 x 1,00	0,21	9,4	45,8	128
52850411	4 x 1,00	0,21	10,0	59,1	148
52850511	5 x 1,00	0,21	10,9	69,0	175

### 450/750 V

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
52850210	2 x 1,00	0,21	9,8	36,4	135
52850310	3 x 1,00	0,21	10,4	49,6	154
52850410	4 x 1,00	0,21	11,1	59,5	174
52850510	5 x 1,00	0,21	12,4	73,0	216
52850215	2 x 1,50	0,26	10,6	49,7	164
52850315	3 x 1,50	0,26	11,1	64,3	179
52850415	4 x 1,50	0,26	12,3	82,6	218
52850515	5 x 1,50	0,26	13,6	109,7	273
52850225	2 x 2,50	0,26	12,3	73,0	229
52850325	3 x 2,50	0,26	12,9	97,3	254
52850425	4 x 2,50	0,26	14,2	134,2	310
52850525	5 x 2,50	0,26	15,6	159,2	369
52850240	2 x 4,00	0,31	14,1	114,9	317
52850340	3 x 4,00	0,31	15,0	153,9	360
52850440	4 x 4,00	0,31	16,3	198,3	428
52850540	5 x 4,00	0,31	17,9	237,7	512
52850260	2 x 6,00	0,31	15,5	154,3	396
52850360	3 x 6,00	0,31	16,5	217,7	460
52850460	4 x 6,00	0,31	17,9	276,1	543
52850560	5 x 6,00	0,31	19,9	340,5	668
52850261	2 x 10,00	0,41	19,2	244,0	628
52850361	3 x 10,00	0,41	20,2	340,7	719
52850461	4 x 10,00	0,41	22,2	444,2	870
52850561	5 x 10,00	0,41	24,6	548,8	1066
52850262	2 x 16,00	0,41	22,1	367,3	871
52850362	3 x 16,00	0,41	23,5	521,8	1018
52850462	4 x 16,00	0,41	25,8	684,0	1237
52850562	5 x 16,00	0,41	28,6	846,6	1514

Other dimensions and colours are possible on request.



Sheath also possible  
in black or orange