

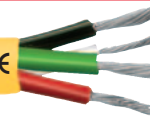
# Control and connection cables

## CC 640 P

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



Style 21127 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



Marking for CC 640 P 52680415:

SAB BRÜCKSKES · D-VIERSEN · 52680415 4x1,5mm<sup>2</sup> CC 640 P 16 AWG 4c 52681604

AWM Style 21127 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX®
<b>Colour code:</b>	acc. to colour code US 1, see chapter N „Technical data“
<b>Stranding:</b>	in layers with a non-woven tape over the outer layer
<b>Sheath material:</b>	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Sheath colour:</b>	yellow (RAL 1021)

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V	
<b>Voltage UL/CSA:</b>	600 V	
<b>Testing voltage:</b>	core/core 3000 V	
<b>Min. bending radius</b>		
<i>fixed laying:</i>	4 x d	
<i>flexible application:</i>	6 x d	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b>	<b>UL:</b> up to +75 °C	<b>CSA:</b> up to +80 °C
	<b>DIN VDE</b>	
<i>fixed laying:</i>	-40/+90 °C	
<i>flexible application:</i>	-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, UL VW-1, CSA FT1, FT2	
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
<b>Flexibility:</b>	very good	
<b>Weather resistance:</b>	very good	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

### Outstanding features:



- UL recognized, CSA approved
- oil resistant
- abrasion resistant
- notch resistant
- good chemical resistance

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
52680210	2 x 1,00	0,21	7,0	19,2	61
52680310	3 x 1,00	0,21	7,4	28,8	72
52680410	4 x 1,00	0,21	7,9	38,4	86
52680510	5 x 1,00	0,21	8,5	48,0	101
52680710	7 x 1,00	0,21	9,2	67,2	127
52681210	12 x 1,00	0,21	11,6	115,2	199
52680215	2 x 1,50	0,26	7,6	28,8	75
52680315	3 x 1,50	0,26	8,0	43,2	90
52680415	4 x 1,50	0,26	8,6	57,6	109
52680515	5 x 1,50	0,26	9,3	72,0	129
52680715	7 x 1,50	0,26	10,1	100,8	165
52681215	12 x 1,50	0,26	12,8	172,8	261

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
52680225	2 x 2,50	0,26	8,4	48,0	101
52680325	3 x 2,50	0,26	8,9	72,0	124
52680425	4 x 2,50	0,26	9,6	96,0	152
52680525	5 x 2,50	0,26	10,4	120,0	182
52680725	7 x 2,50	0,26	11,3	168,0	235
52680340	3 x 4,00	0,31	10,8	115,2	190
52680440	4 x 4,00	0,31	11,7	153,6	234
52680540	5 x 4,00	0,31	12,8	192,0	284
52680360	3 x 6,00	0,31	12,3	172,8	256
52680460	4 x 6,00	0,31	13,4	230,4	321
52680560	5 x 6,00	0,31	14,7	288,0	404

Other dimensions and colours are possible on request.



Sheath also possible  
in black or orange