

also available with black or orange jacket

# FLEXIBLE CONTROL CABLES



## CC 640 P Halogen free oil resistant control cable with colored conductors



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

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Marking for CC 640 P 52681604: SAB BRÖCKSKES · D-VIERSEN ·

52680415 4 x 1,5 mm<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

CC 640 P is a flexible multi-conductor, 600 V, 80°C UL recognized and CSA approved TPE insulated flexible power supply and control cable with a rugged, abrasion resistant polyurethane jacket. The polyurethane jacket allows this cable to be used both indoor and outdoor in wet, dry, and extremely cold conditions. The cable is flame retardant and is colored safety yellow. It has been safety tested with UL. Recommended applications include power supply for portable hand tools and appliances.

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX® 231
<b>Color code:</b>	US 1, see page N/25
<b>Stranding:</b>	in layers with a non-woven tape over the outer layer
<b>Jacket material:</b>	PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Jacket color:</b>	yellow

### Outstanding features:

- ▶ oil resistant
- ▶ abrasion resistant
- ▶ notch resistant
- ▶ good chemical resistance

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE</b> U <sub>0</sub> /U 300/500 V	<b>UL/CSA</b> 600 V
<b>Testing voltage U:</b>	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2	
<b>Min. bending radius</b> <i>fixed installation:</i>	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.	
<i>free movement:</i>	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b> <i>static:</i>	<b>DIN VDE</b> -40/+90 °C	<b>UL</b> up to +75°C
<i>flexing:</i>	-30/+90 °C	up to +75°C
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 and FT2	
<b>Oil resistance:</b>	very good - PUR TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	
<b>Flexibilität:</b>	very good	
<b>Weather resistance:</b>	very good	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28	

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 18 AWG (≈ 30/32) • 1.00 mm <sup>2</sup>					▶ 16 AWG (≈ 27-29/30) • 1.50 mm <sup>2</sup>					▶ 14 AWG (≈ 46/30) • 2.50 mm <sup>2</sup>				
52681802	2	0.276	7.0	41	52681602	2	0.299	7.6	50	52681402	2	0.331	8.4	68
52681803	3	0.291	7.4	48	52681603	3	0.315	8.0	60	52681403	3	0.350	8.9	83
52681804	4	0.311	7.9	58	52681604	4	0.339	8.6	73	52681404	4	0.378	9.6	102
52681805	5	0.335	8.5	68	52681605	5	0.366	9.3	87	52681405	5	0.409	10.4	122
52681807	7	0.362	9.2	85	52681607	7	0.398	10.1	111	52681407	7	0.445	11.3	158
52681812	12	0.457	11.6	134	52681612	12	0.504	12.8	175	▶ 12 AWG (≈ 52/28) • 4.00 mm <sup>2</sup>				
										52681203	3	0.425	10.8	128
										52681204	4	0.461	11.7	157
										52681205	5	0.504	12.8	191
										▶ 10 AWG (≈ 78/28) • 6.00 mm <sup>2</sup>				
										52681003	3	0.484	12.3	172
										52681004	4	0.528	13.4	216
										52681005	5	0.579	14.7	271

Other dimensions and colors are possible on request.

