

FLEXIBLE CONTROL CABLES

also available
with black
or orange jacket

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 FT2 FT

Marking for CC 640 P 52681604: SAB BRÖCKSKES · D-VIERSEN ·
52680415 4 x 1,5 mm² 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-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.

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Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	SABIX® 231
Color code:	US 1, see page N/23
Stranding:	in layers with a non-woven tape over the outer layer
Jacket material:	PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Jacket color:	yellow

Outstanding features:

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

Technical data:

Nominal voltage:	DIN VDE U ₀ /U 300/500 V	UL/CSA 600 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2	
Min. bending radius <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.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range <i>static:</i>	DIN VDE -40/+90 °C	UL up to +75°C
<i>flexing:</i>	-30/+90 °C	up to +75°C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 and FT2	
Oil resistance:	very good - PUR TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	
Flexibilität:	very good	
Weather resistance:	very good	
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 18 AWG (30/32) • 1.00 mm²				
52681802	2	0.276	7.0	41
52681803	3	0.291	7.4	48
52681804	4	0.311	7.9	58
52681805	5	0.335	8.5	68
52681807	7	0.362	9.2	85
52681812	12	0.457	11.6	134

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 16 AWG (27-29/30) • 1.50 mm²				
52681602	2	0.299	7.6	50
52681603	3	0.315	8.0	60
52681604	4	0.339	8.6	73
52681605	5	0.366	9.3	87
52681607	7	0.398	10.1	111
52681612	12	0.504	12.8	175

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 14 AWG (46/30) • 2.50 mm²				
52681402	2	0.331	8.4	68
52681403	3	0.350	8.9	83
52681404	4	0.378	9.6	102
52681405	5	0.409	10.4	122
52681407	7	0.445	11.3	158
▶ 12 AWG (52/28) • 4.00 mm²				
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 mm²				
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.