

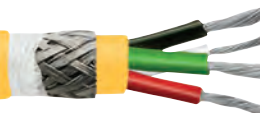
Flexible Control Cables

CC 640 CP

Halogen-free oil resistant shielded control cable with colored conductors



27 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



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Marking for CC 640 CP 52841604:

SAB BRÖCKSKES · D-VIERSEN · 52840415 4x1.50mm² CC 640 CP 16 AWG/4c 52841604 AWM Style 21127 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	SABIX®
Color code:	US 1, see page O/27
Stranding:	in layers with a non-woven tape over the outer layer
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	yellow (RAL 1021)

Outstanding features:



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

Technical data:

Nominal voltage:	Uo/U 300/500 V	
Voltage UL/CSA:	600 V	
Testing voltage:	conductor/conductor: 2000 V conductor/shielding: 2000V	
Min. bending radius:	5 x O.D. 10 x O.D.	
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range:	UL: up to +75°C	CSA: up to +80°C
<i>static:</i>	DIN VDE -40/+90°C	
<i>flexible:</i>	+5/+90°C	
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1, CSA FT1, FT2	
Oil resistance:	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
Flexibility:	very good	
Weather resistance:	very good	
Approvals:	UR AWM, CSA AWM, CE, EAC, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
52841802	2	0.315	8.0	56
52841803	3	0.327	8.3	64
52841804	4	0.346	8.8	74
52841805	5	0.374	9.5	86
52841807	7	0.398	10.1	105
52841812	12	0.504	12.8	167
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
52841602	2	0.339	8.6	67
52841603	3	0.354	9.0	78
52841604	4	0.378	9.6	91
52841605	5	0.406	10.3	106
52841607	7	0.437	11.1	132
52841612	12	0.551	14.0	212

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
52841402	2	0.390	9.9	93
52841403	3	0.409	10.4	110
52841404	4	0.437	11.1	130
52841405	5	0.480	12.2	164
52841407	7	0.520	13.2	203
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
52841203	3	0.465	11.8	157
52841204	4	0.504	12.8	189
52841205	5	0.547	13.9	226

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
52841003	3	0.531	13.5	215
52841004	4	0.575	14.6	261
52841005	5	0.646	16.4	331

Other dimensions and colors are available on request



also available with
black or orange jacket