

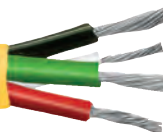
Flexible Control Cables

CC 640 P

Halogen-free oil resistant control cable with colored conductors



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



Marking for CC 640 P 52681604:

SAB BRÖCKSKES · D-VIERSEN · 52680415 4x1.5mm² CC 640 P 16 AWG 4c 52681604 UL AWM Style 21127 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

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Construction:

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

Technical data:

Nominal voltage:	U ₀ /U 300/500 V	
Voltage UL/CSA:	600 V	
Testing voltage:	conductor/conductor: 3000 V	
Min. bending radius:		
<i>fixed installation:</i>	4 x O.D.	
<i>free movement:</i>	6 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range:	UL: up to +75°C	CSA: up to +80°C
	DIN VDE	
<i>static:</i>	-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 - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
Flexibility:	very good	
Weather resistance:	very good	
Approvals:	UR AWM, CSA AWM, CE, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

Outstanding features:



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

item no.	no. of conductors	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 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
▶ 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	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 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

item no.	no. of conductors	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 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 available on request

US 1 color code:

#1- black, #2- white, #3- red, #4- green, #5- brown, #6- blue, #7- orange, #8- yellow, #9- violet, #10- gray, #11- pink, #12- beige