

# Flexible Control Cables

## CC 600 World

Oil resistant flexible control cable with international standards



Marking for CC 600 World 2511604:

SAB BRÜCKSKES · D-VIERSEN · <VDE> <HAR> H05VV5-F 2510415 4G1.5mm<sup>2</sup> CC 600 World 16 AWG/4c 2511604 AWM Style 21216 90°C 600V Oil 60°C CSA AWM I/II A/B 90°C F 600V FT1 FT2 CE

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### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
<b>Stranding:</b>	in layers
<b>Jacket materials:</b>	PVC, TM5 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Jacket color:</b>	gray (RAL 7000)

### Technical data:

<b>Nominal voltage:</b>	Uo/U 300/500 V	
<b>Voltage UL/CSA:</b>	600 V	
<b>Testing voltage:</b>	conductor/conductor: 3000 V	
<b>Min. bending radius:</b>		
<i>fixed installation:</i>	4 x O.D.	
<i>free movement:</i>	6 x O.D.	
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range:</b>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +90°C
<i>static:</i>	-40/+70°C	
<i>flexible:</i>	+5/+70°C	
<b>Burning characteristics:</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 - TM5 acc. to EN 50363-4-1 + VDE 0207-363-4-1	
<b>Chemical resistance:</b>	see page O/11	
<b>Approvals:</b>	UR AWM, CSA AWM, VDE, HAR, CE, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

### Outstanding features:



- flexible
- oil resistant
- UL, CSA, VDE and HAR standardized

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
<b>▶ 20 AWG (≈ 16/32) ▪ 0.50 mm<sup>2</sup></b>				
2512003	3	0.256	6.5	40
2512004	4	0.283	7.2	50
2512005	5	0.311	7.9	61
2512007	7	0.374	9.5	87
2512012	12	0.453	11.5	122
2512018	18	0.543	13.8	181
<b>▶ 19 AWG (≈ 23/32) ▪ 0.75 mm<sup>2</sup></b>				
2511903	3	0.280	7.1	49
2511904	4	0.311	7.9	60
2511905	5	0.315	8.0	65
2511907	7	0.409	10.4	105
2511912	12	0.508	12.9	154
2511918	18	0.602	15.3	224

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
<b>▶ 18 AWG (≈ 30/32) ▪ 1.00 mm<sup>2</sup></b>				
2511803	3	0.291	7.4	56
2511804	4	0.319	8.1	68
2511805	5	0.358	9.1	86
2511807	7	0.425	10.8	120
2511812	12	0.524	13.3	175
2511818	18	0.626	15.9	258
<b>▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm<sup>2</sup></b>				
2511603	3	0.331	8.4	75
2511604	4	0.374	9.5	95
2511605	5	0.417	10.6	119
2511607	7	0.504	12.8	169
2511612	12	0.618	15.7	247
2511618	18	0.740	18.8	363

item no.	no. of conductors incl. ground	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
<b>▶ 14 AWG (≈ 46/30) ▪ 2.50 mm<sup>2</sup></b>				
2511403	3	0.398	10.1	112
2511404	4	0.445	11.3	140
2511405	5	0.492	12.5	173
2511407	7	0.591	15.0	247
2511412	12	0.732	18.6	367
2511418	18	0.890	22.6	552
2 conductor cable does not have ground				
Other dimensions and colors are available on request				