

# FLEXIBLE SPECIALTY CABLES

## CRX 600 Oil resistant 105°C flexible control cable



SAB BRÖCKSKES · D-VIERSEN · CRX 600 AWM Style 21237 105°C 600V AWM I/II A/B 105°C Oil 60°C 1000V FT1 FT2 CE

Marking for CRX 600 32041603:

CRX 600 is a multi-conductor, 600 V, 105°C, UL recognized, chemical resistant and oil resistant flexible control cable. The reduced outer diameter permits easy handling and installation in confined areas. Recommended applications for use in industrial painting machinery, water treatment facilities, chemical processing, harsh environments and areas utilizing various cleaning solvents. Control and Power supply cable with Extra Chemical Resistance, such as MEK, Acetone, Xylene, Turpentine.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	TPE
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	TPE
<b>Jacket color:</b>	gray

### Outstanding features:

- General purpose flexing applications requiring UL and cUL recognition
- extra chemical resistant
- oil resistant

### Technical data:

<b>Voltage:</b>	<b>UL:</b> 600 V	<b>cUL:</b> 1000 V
<b>Nominal voltage:</b>	<b>DIN VDE:</b> Uo/U 300/500 V	
<b>Testing voltage U:</b>	conductor/conductor 2000 V	
<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>Temperature range</b>	<b>DIN VDE:</b>	<b>UL-AWM + cUL-AWM:</b> up to +105°C
<i>static:</i>	-30/+90°C	
<i>flexing:</i>	-20/+90°C	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2, UL VW-1, cUL FT1 FT2	
<b>Oil resistance:</b>	Oil 60 °C	
<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 inch	outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (≈ 16/32) • 0.50 mm<sup>2</sup></b>				
32042002	2	0.209	5.3	24
32042003	3	0.220	5.6	28
32042004	4	0.236	6.0	34
32042007	7	0.280	7.1	51
32042012	12	0.370	9.4	83
32042015	15	0.417	10.6	106
32042025	25	0.547	13.9	144
<b>▶ 18 AWG (≈ 30/32) • 1.00 mm<sup>2</sup></b>				
32041802	2	0.236	6.0	33
32041803	3	0.248	6.3	40
32041804	4	0.268	6.8	48
32041805	5	0.299	7.6	60
32041807	7	0.323	8.2	75
32041809	9	0.413	10.5	108
32041812	12	0.437	11.1	126
32041815	15	0.492	12.5	159
32041818	18	0.524	13.3	187
32041825	25	0.638	16.2	256
32041850	50	0.850	21.6	485

item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 16 AWG (≈ 27-29/30) • 1.50 mm<sup>2</sup></b>				
32041602	2	0.260	6.6	45
32041603	3	0.272	6.9	54
32041604	4	0.303	7.7	68
32041605	5	0.331	8.4	78
32041607	7	0.366	9.3	102
32041612	12	0.492	12.5	170
32041615	15	0.555	14.1	213
32041618	18	0.591	15.0	222
32041625	25	0.717	18.2	251
32041650	50	0.965	24.5	347
<b>▶ 14 AWG (≈ 46/30) • 2.50 mm<sup>2</sup></b>				
32041403	3	0.327	8.3	77
32041404	4	0.335	8.5	97
32041405	5	0.398	10.1	120
32041407	7	0.441	11.2	157
32041412	12	0.602	15.3	266
32041418	18	0.717	18.2	391
32041425	25	0.878	22.3	540

item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 12 AWG (≈ 52/28) • 4.00 mm<sup>2</sup></b>				
32041203	3	0.382	9.7	115
32041204	4	0.425	10.8	146
32041205	5	0.476	12.1	181
32041207	7	0.528	13.4	226
<b>▶ 10 AWG (≈ 78/28) • 6.00 mm<sup>2</sup></b>				
32041003	3	0.449	11.4	166
32041004	4	0.500	12.7	211
32041005	5	0.559	14.2	261
<b>▶ 8 AWG (≈ 77/26) • 10.00 mm<sup>2</sup></b>				
32040804	4	0.760	19.3	406
<b>▶ 6 AWG (≈ 122/26) • 16.00 mm<sup>2</sup></b>				
32040604	4	0.835	21.2	576
<b>▶ 4 AWG (≈ 190/26) • 25.00 mm<sup>2</sup></b>				
32040404	4	1.043	26.5	930
<b>▶ 2 AWG (≈ 272/26) • 35.00 mm<sup>2</sup></b>				
32040204	4	1.189	30.7	1271
<b>▶ 1 AWG (≈ 400/26) • 50.00 mm<sup>2</sup></b>				
32040104	4	1.378	35.0	1736

Other dimensions and colors are possible on request.