

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:

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

Outstanding features:

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

Technical data:

Voltage:	UL: 600 V	cUL: 1000 V
Nominal voltage:	DIN VDE: Uo/U 300/500 V	
Testing voltage U:	conductor/conductor 2000 V	
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.	
Temperature range	DIN VDE:	UL-AWM + cUL-AWM: up to +105°C
<i>static:</i>	-30/+90°C	
<i>flexing:</i>	-20/+90°C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2, UL VW-1, cUL FT1 FT2	
Oil resistance:	Oil 60 °C	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28	

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item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 16/32) • 0.50 mm²					▶ 16 AWG (≈ 27-29/30) • 1.50 mm²					▶ 12 AWG (≈ 52/28) • 4.00 mm²				
32042002	2	0.209	5.3	24	32041602	2	0.260	6.6	45	32041203	3	0.382	9.7	115
32042003	3	0.220	5.6	28	32041603	3	0.272	6.9	54	32041204	4	0.425	10.8	146
32042004	4	0.236	6.0	34	32041604	4	0.303	7.7	68	32041205	5	0.476	12.1	181
32042007	7	0.280	7.1	51	32041605	5	0.331	8.4	78	32041207	7	0.528	13.4	226
32042012	12	0.370	9.4	83	32041607	7	0.366	9.3	102	▶ 10 AWG (≈ 78/28) • 6.00 mm²				
32042015	15	0.417	10.6	106	32041612	12	0.492	12.5	170	32041003	3	0.449	11.4	166
32042025	25	0.547	13.9	144	32041615	15	0.555	14.1	213	32041004	4	0.500	12.7	211
▶ 18 AWG (≈ 30/32) • 1.00 mm²					32041618	18	0.591	15.0	222	32041005	5	0.559	14.2	261
32041802	2	0.236	6.0	33	32041625	25	0.717	18.2	251	▶ 8 AWG (≈ 77/26) • 10.00 mm²				
32041803	3	0.248	6.3	40	32041650	50	0.965	24.5	347	32040804	4	0.760	19.3	406
32041804	4	0.268	6.8	48	▶ 14 AWG (≈ 46/30) • 2.50 mm²					▶ 6 AWG (≈ 122/26) • 16.00 mm²				
32041805	5	0.299	7.6	60	32041403	3	0.327	8.3	77	32040604	4	0.835	21.2	576
32041807	7	0.323	8.2	75	32041404	4	0.335	8.5	97	▶ 4 AWG (≈ 190/26) • 25.00 mm²				
32041809	9	0.413	10.5	108	32041405	5	0.398	10.1	120	32040404	4	1.043	26.5	930
32041812	12	0.437	11.1	126	32041407	7	0.441	11.2	157	▶ 2 AWG (≈ 272/26) • 35.00 mm²				
32041815	15	0.492	12.5	159	32041412	12	0.602	15.3	266	32040204	4	1.189	30.7	1271
32041818	18	0.524	13.3	187	32041418	18	0.717	18.2	391	▶ 1 AWG (≈ 400/26) • 50.00 mm²				
32041825	25	0.638	16.2	256	32041425	25	0.878	22.3	540	32040104	4	1.378	35.0	1736
32041850	50	0.850	21.6	485										

Other dimensions and colors are possible on request.