

FLEXIBLE SPECIALITY CABLES

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



Marking e.g. for CRX 600 C 32141603:

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

CRX 600 C is a multi-conductor, 600 V, 105°C, UL approved, chemical resistant and oil resistant flexible shielded control cable. The reduced outer diameter permits easy handling and installation in confined areas. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. Recommended applications for use in industrial painting machinery, water treatment facilities, chemical processing, harsh environments and areas utilizing various cleaning solvents. Shielded 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 355
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Jacket material:	TPE 355
Jacket color:	gray

Outstanding features:

- General purpose flexing applications requiring UL and cUL approvals

Technical data:

Voltage:	UL: 600 V	cUL: 1000 V
Nominal voltage:	DIN VDE: U ₀ /U 300/500 V	
Testing voltage U:	conductor/conductor 2000 V	conductor/screen 1000 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 + cUL: up to +105°C
<i>static:</i>	-30/+80°C	
<i>flexing:</i>	-20/+80°C	
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1	
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	

item no.	no. of conductors incl. ground	nominal outer- ϕ inch	nominal outer- ϕ mm	cable weight \approx lbs/mft	item no.	no. of conductors incl. ground	nominal outer- ϕ inch	nominal outer- ϕ mm	cable weight \approx lbs/mft	item no.	no. of conductors incl. ground	nominal outer- ϕ inch	nominal outer- ϕ mm	cable weight \approx lbs/mft
► 20 AWG (17/32) • 0.50 mm²					► 16 AWG (27-29/30) • 1.50 mm²					► 12 AWG (52/28) • 4.00 mm²				
32142002	2	0.232	5.9	28	32141602	2	0.283	7.2	45	32141203	3	0.421	10.7	128
32142003	3	0.244	6.2	34	32141603	3	0.299	7.6	58	32141204	4	0.465	11.8	164
32142004	4	0.260	6.6	40	32141604	4	0.327	8.3	71	32141205	5	0.508	12.9	198
32142007	7	0.307	7.8	60	32141605	5	0.362	9.2	88	32141207	7	0.567	14.4	268
32142012	12	0.394	10.0	95	32141607	7	0.390	9.9	111	► 10 AWG (78/28) • 6.00 mm²				
32142015	15	0.453	11.5	128	32141612	12	0.531	13.5	196	32141003	3	0.488	12.4	178
32142025	25	0.579	14.7	205	32141615	15	0.602	15.3	257	32141004	4	0.539	13.7	226
► 18 AWG (30/32) • 1.00 mm²					32141618	18	0.638	16.2	295	32141005	5	0.606	15.4	294
32141802	2	0.260	6.6	36	32141625	25	0.764	19.4	404	► 8 AWG (77/26) • 10.00 mm²				
32141803	3	0.276	7.0	46	32141650	50	1.012	25.7	745	32140804	4	0.807	20.5	450
32141804	4	0.295	7.5	56	► 14 AWG (46/30) • 2.50 mm²					► 6 AWG (119/26) • 16.00 mm²				
32141805	5	0.323	8.2	68	32141403	3	0.358	9.1	87	32140604	4	0.882	22.4	609
32141807	7	0.354	9.0	87	32141404	4	0.386	9.8	105	► 4 AWG (196/26) • 25.00 mm²				
32141809	9	0.445	11.3	126	32141405	5	0.437	11.1	138	32140404	4	1.083	27.5	944
32141812	12	0.476	12.1	151	32141407	7	0.480	12.2	179	► 2 AWG (280/26) • 35.00 mm²				
32141815	15	0.531	13.5	186	32141412	12	0.650	16.5	308	32140204	4	1.236	31.4	1278
32141818	18	0.563	14.3	223	32141418	18	0.764	19.4	444	► 1 AWG (400/26) • 50.00 mm²				
32141825	25	0.677	17.2	303	32141425	25	0.925	23.5	601	32140104	4	1.413	35.9	1754
32141850	50	0.898	22.8	550						Other dimensions and colors are possible on request.				