

Fuel-Oil
acc. to CSA C22.2
No. 210-05

CONTINUOUS FLEX CABLES



S 965 Very flexible continuous flex control cable for small bending radius with red conductors



90°C 600V CSA AWM I/II A/B 90°C F 600V FT1 FT2 CE

Marking for S 965 07271607: SAB BRÖCKSKES · D-VIERSEN ·
07270715 7 x 1,5 mm² S 965 16 AWG/7c 07271607 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90°C F 600V FT1 FT2 CE

S 965 is a very flexible multi-conductor 90°C, 600 V cable designed for continuous flex applications. The S 965 is designed for use on cable tracks, pick and place units, automated handling equipment, machine tools, conveyor systems and other continuous flexing applications.

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Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	PVC, T12 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	red conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	specially adjusted layering with non-woven tape over each layer
Jacket material:	PVC TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	black

Outstanding features:

- good flexibility
- small bending radius
- reinforced outer jacket
- oil resistant
- Fuel-Oil acc. to CSA C22.2 No. 210-05

Technical data:

Nominal voltage:	DIN VDE: U ₀ /U 300/500 V UL/CSA: 600 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2
Min. bending radius <i>continuous flexing:</i>	7.5 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range <i>static:</i> <i>flexing:</i>	DIN VDE UL/CSA: up to +90°C -40/+70°C +5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 and FT2
Oil resistance:	very good - TM5 acc. to DIN VDE 0281 part 1 + HD 21.1. Fuel-Oil acc. to CSA C22.2 No. 210-05
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 20 AWG (33/34) • 0.50 mm²					▶ 18 AWG (56/34) • 1.00 mm²					▶ 12 AWG (224/34) • 4.00 mm²				
07272002	2	0.217	5.5	27	07271812	12	0.453	11.5	142	07271203	3	0.445	11.3	150
07272003	3	0.228	5.8	32	07271818	18	0.539	13.7	210	07271204	4	0.488	12.4	179
07272004	4	0.248	6.3	38	07271825	25	0.650	16.5	285	07271205	5	0.543	13.8	230
07272005	5	0.276	7.0	48	07271834	34	0.736	18.7	382	07271207	7	0.657	16.7	331
07272007	7	0.323	8.2	66	07271850	50	0.886	22.5	555	▶ 10 AWG (192/32) • 6.00 mm²				
07272012	12	0.398	10.1	97	07271861	61	0.965	24.5	671	07271003	3	0.516	13.1	214
07272018	18	0.472	12.0	142	▶ 16 AWG (84/34) • 1.50 mm²					07271004	4	0.571	14.5	256
07272025	25	0.567	14.4	191	07271602	2	0.268	6.8	47	07271005	5	0.638	16.2	329
07272034	34	0.638	16.2	254	07271603	3	0.287	7.3	59	07271007	7	0.764	19.4	470
07272050	50	0.752	19.1	351	07271604	4	0.315	8.0	73	▶ 8 AWG (320/32) • 10.00 mm²				
07272061	61	0.831	21.1	440	07271605	5	0.346	8.8	91	07270803	3	0.638	16.2	337
▶ 19 AWG (42/34) • 0.75 mm²					07271607	7	0.417	10.6	129	07270804	4	0.709	18.0	428
07271902	2	0.232	5.9	32	07271612	12	0.512	13.0	194	07270805	5	0.791	20.1	529
07271903	3	0.248	6.3	38	07271618	18	0.606	15.4	286	▶ 6 AWG (512/32) • 16.00 mm²				
07271904	4	0.268	6.8	46	07271625	25	0.736	18.7	390	07270603	3	0.764	19.4	507
07271905	5	0.295	7.5	57	07271634	34	0.831	21.1	522	07270604	4	0.846	21.5	641
07271907	7	0.358	9.1	82	07271650	50	0.988	25.1	749	07270605	5	0.949	24.1	798
07271912	12	0.433	11.0	119	07271661	61	1.087	27.6	915	▶ 4 AWG (798/32) • 25.00 mm²				
07271918	18	0.516	13.1	175	▶ 14 AWG (140/34) • 2.50 mm²					07270404	4	1.024	26.0	935
07271925	25	0.622	15.8	238	07271402	2	0.350	8.9	79	07270405	5	1.142	29.0	1195
07271934	34	0.705	17.9	319	07271403	3	0.374	9.5	97	▶ 2 AWG (1102/32) • 35.00 mm²				
07271950	50	0.831	21.1	450	07271404	4	0.409	10.4	120	07270204	4	1.173	29.8	1284
07271961	61	0.925	23.5	558	07271405	5	0.457	11.6	150	07270205	5	1.295	32.9	1582
▶ 18 AWG (56/34) • 1.00 mm²					07271407	7	0.551	14.0	214	▶ 1 AWG (703/28) • 50.00 mm²				
07271802	2	0.244	6.2	37	07271412	12	0.681	17.3	323	07270104	4	1.374	34.9	1796
07271803	3	0.256	6.5	44	07271418	18	0.815	20.7	480	Other dimensions and colors are possible on request.				
07271804	4	0.283	7.2	55	07271425	25	0.988	25.1	654					
07271805	5	0.311	7.9	68										
07271807	7	0.370	9.4	95										

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