

CONTINUOUS FLEX CABLES

also available with blue, red and white conductors



S 970 HP High speed continuous flex heavy duty halogen free polyurethane control cable



Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2

07691807 18 x 0,75 mm² S 970 HP 19 AWG/18c 07691918

Marking for S 970 HP 07691918: BRÖCKSKES · D-VIERSEN · AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2

S 970 HP is a continuous flex multi-conductor 80°C, 600 V cable designed specifically for the most stressful ultra high speed applications requiring a very small bending radius. The unique design allows this cable to excel in applications where ordinary flexing cables fail. The halogen free polyurethane jacket cable with black numbered conductors passes the stringent VDE test 0282 part 10 and HD 22.10 oil test and provides excellent resistance to chemicals and abrasion.

B
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Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	TPE 510
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	specially adjusted layering with netting tape over each layer and one additional non-woven tape over the outer layer
Jacket material:	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Jacket color:	gray

Outstanding features:

- halogen-free
- labs uncritical
(labs = enamel moisturing interfering substances)
- flexible at low temperatures
- travel > 10 m is possible
- high abrasion resistance
- min. bending radius

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 continuous flexing:	7.5 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range static flexing:	DIN VDE -50/+70°C UL/CSA: up to +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 + EN 60332-1-2, UL VW-1 + CSA FT1 and FT2
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Continuous flexibility:	very good
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page M/25

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (33/34) • 0.50 mm²				
07692003	3	0.280	7.1	40
07692004	4	0.299	7.6	46
07692005	5	0.319	8.1	53
07692007	7	0.362	9.2	70
07692012	12	0.441	11.2	100
07692018	18	0.504	12.8	140
07692025	25	0.618	15.7	192
07692034	34	0.685	17.4	251
07692050	50	0.819	20.8	357
07692061	61	0.882	22.4	446

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 19 AWG (42/34) • 0.75 mm²				
07691903	3	0.295	7.5	46
07691904	4	0.315	8.0	54
07691905	5	0.343	8.7	63
07691907	7	0.390	9.9	83
07691912	12	0.476	12.1	122
07691918	18	0.559	14.2	177
07691925	25	0.673	17.1	238
07691934	34	0.748	19.0	312
07691950	50	0.886	22.5	459
07691961	61	0.965	24.5	546

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 18 AWG (56/34) • 1.00 mm²				
07691803	3	0.307	7.8	52
07691804	4	0.327	8.3	62
07691805	5	0.350	8.9	74
07691807	7	0.402	10.2	97
07691812	12	0.492	12.5	146
07691818	18	0.579	14.7	213
07691825	25	0.697	17.7	287
07691834	34	0.776	19.7	378
07691850	50	0.925	23.5	554
07691861	61	1.008	25.6	663

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07691807 18 x 0,75 mm² S 970 HP 19 AWG/18c 07691918 AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2

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Jacket material:	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Jacket color:	gray

Outstanding features:

- halogen-free
- **lamb uncritical**
(lamb = enamel moisturing interfering substances)
- flexible at low temperatures
- travel > 10 m is possible
- high abrasion resistance
- min. bending radius

Technical data:

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flexing:	UL/CSA: up to +80°C -40/+70°C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
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Continuous flexibility:	very good
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item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 16 AWG (84/34) • 1.50 mm²				
07691603	3	0.331	8.4	69
07691604	4	0.354	9.0	82
07691605	5	0.382	9.7	99
07691607	7	0.441	11.2	133
07691612	12	0.555	14.1	206
07691618	18	0.646	16.4	296
07691625	25	0.780	19.8	405
07691634	34	0.866	22.0	550
07691650	50	1.031	26.2	765
07691661	61	1.126	28.6	919

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 14 AWG (140/34) • 2.50 mm²				
07691403	3	0.390	9.9	101
07691404	4	0.421	10.7	122
07691405	5	0.461	11.7	150
07691407	7	0.535	13.6	212
07691412	12	0.677	17.2	323
07691418	18	0.791	20.1	487
07691425	25	0.965	24.5	646
▶ 12 AWG (224/34) • 4.00 mm²				
07691203	3	0.433	11.0	138
07691204	4	0.472	12.0	171
07691205	5	0.512	13.0	220

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 10 AWG (192/32) • 6.00 mm²				
07691003	3	0.516	13.1	192
07691004	4	0.579	14.7	244
07691005	5	0.642	16.3	310
▶ 8 AWG (320/32) • 10.00 mm²				
07690803	3	0.657	16.7	315
07690804	4	0.717	18.2	391
07690805	5	0.795	20.2	489
▶ 6 AWG (512/32) • 16.00 mm²				
07690603	3	0.772	19.6	462
07690604	4	0.850	21.6	598
07690605	5	0.945	24.0	734
▶ 4 AWG (798/32) • 25.00 mm²				
07690404	4	1.031	26.2	886
07690405	5	1.142	29.0	1118
▶ 2 AWG (1102/32) • 35.00 mm²				
07690204	4	1.177	29.9	1176
07690205	5	1.307	33.2	1488
▶ 1 AWG (703/28) • 50.00 mm²				
07690104	4	1.398	35.5	1660

Other dimensions and colors are possible on request.

E-mail: info@sabcable.com



Web site: www.sabcable.com