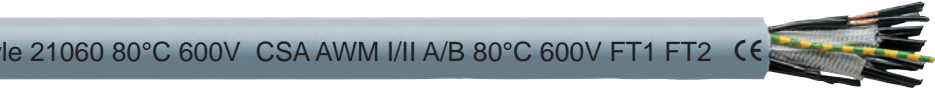


also available with blue, red and white conductors

CONTINUOUS FLEX CABLES



S 980 P High speed continuous flex heavy duty halogen free polyurethane control cable



Marking for S 980 P 77741807: SAB BRÖCKSKES · D-VIERSEN · 77741807 S 980 P 18 x 0,75 mm² 19 AWG/18c 77741918
 AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

S 980 P 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.

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Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	TPE
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:	TPE outer jacket
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/+90°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 directive of the European Union see page N/28

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 28/34) • 0.50 mm²				
77742003	3	0.260	6.6	35
77742004	4	0.280	7.1	41
77742005	5	0.307	7.8	48
77742007	7	0.350	8.9	62
77742012	12	0.413	10.5	93
77742018	18	0.476	12.1	129
77742025	25	0.563	14.3	171
77742034	34	0.638	16.2	227
77742050	50	0.740	18.8	319
77742061	61	0.827	21.0	392

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				
77741903	3	0.280	7.1	40
77741904	4	0.299	7.6	48
77741905	5	0.331	8.4	57
77741907	7	0.378	9.6	73
77741912	12	0.441	11.2	110
77741918	18	0.524	13.3	155
77741925	25	0.618	15.7	210
77741934	34	0.697	17.7	272
77741950	50	0.815	20.7	389
77741961	61	0.945	24.0	505

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				
77741803	3	0.287	7.3	46
77741804	4	0.311	7.9	56
77741805	5	0.339	8.6	66
77741807	7	0.394	10.0	86
77741812	12	0.461	11.7	131
77741818	18	0.539	13.7	185
77741825	25	0.642	16.3	252
77741834	34	0.724	18.4	331
77741850	50	0.902	22.9	511
77741861	61	0.984	25.0	608

Continued on next page



CONTINUOUS FLEX CABLES

also available with blue, red and white conductors

S 980 P 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

Marking for S 980 P 77741807: SAB BRÖCKSKES · D-VIERSEN · 77741807 S 980 P 18 x 0,75 mm² 19 AWG/18c 77741918

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

S 980 P 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.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	TPE
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:	TPE outer jacket
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/+90°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 directive of the European Union see page N/28

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item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 84/34) • 1.50 mm²					▶ 14 AWG (≈ 140/34) • 2.50 mm²					▶ 10 AWG (≈ 186/32) • 6.00 mm²				
77741603	3	0.315	8.0	58	77741403	3	0.366	9.3	85	77741003	3	0.480	12.2	173
77741604	4	0.350	8.9	73	77741404	4	0.394	10.0	104	77741004	4	0.524	13.3	217
77741605	5	0.370	9.4	88	77741405	5	0.437	11.1	126	77741005	5	0.575	14.6	253
77741607	7	0.429	10.9	113	77741407	7	0.504	12.8	167	▶ 8 AWG (≈ 320/32) • 10.00 mm²				
77741612	12	0.512	13.0	175	77741412	12	0.618	15.7	269	77740803	3	0.622	15.8	281
77741618	18	0.563	14.3	247	77741418	18	0.732	18.6	388	77740804	4	0.685	17.4	360
77741625	25	0.720	18.3	344	77741425	25	0.925	23.5	569	77740805	5	0.768	19.5	439
77741634	34	0.811	20.6	457	▶ 12 AWG (≈ 224/34) • 4.00 mm²					▶ 6 AWG (≈ 504/32) • 16.00 mm²				
77741650	50	0.996	25.3	689	77741203	3	0.413	10.5	149	77740603	3	0.732	18.6	399
77741661	61	1.091	27.7	825	77741204	4	0.453	11.5	156	77740604	4	0.811	20.6	554
					77741205	5	0.496	12.6	182	77740605	5	0.965	24.5	714
										▶ 4 AWG (≈ 760/32) • 25.00 mm²				
										77740404	4	1.024	26.0	835
										77740405	5	1.138	28.9	1016
										▶ 2 AWG (≈ 1083/32) • 35.00 mm²				
										77740204	4	1.161	29.5	1093
										77740205	5	1.291	32.8	1333
										▶ 1 AWG (≈ 703/28) • 50.00 mm²				
										77740104	4	1.425	36.2	1566

Other dimensions and colors are possible on request.

