

Continuous Flex

S 960 P

Continuous flex polyurethane control cable for small bending radius



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



Marking for S 960 P 07761607:

SAB BRÖCKSKES · D-VIERSEN · 07760715 7 x 1.5 mm² S 960 P 16 AWG/7c 07761607

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

B
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Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
Stranding:	specially adjusted layering with non-woven tape over each layer
Jacket material:	PU acc. to UL 758 with matte surface
Jacket color:	gray (RAL 7000)

Outstanding features:

- very good oil resistant
- very good chemical resistance
- high abrasion resistance
- very good flexibility

Technical data:

Nominal voltage:	U ₀ /U 300/500 V	
Voltage UL/CSA:	600 V	
Testing voltage:	conductor/conductor: 2000 V	
Min. bending radius: <i>continuously flexing:</i>	7.5 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range: <i>static:</i> <i>flexing:</i>	DIN VDE -40/+70°C	UL/CSA: up to +80°C +5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1, CSA FT1, FT2	
Oil resistance:	very good- oil rating 60°C acc. to UL 758	
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.	
Approvals:	UR AWM, CSA AWM, CE, EAC, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 20 AWG (≈ 28/34) ▪ 0.50 mm²				
07762002	2	0.252	6.4	31
07762003	3	0.264	6.7	36
07762004	4	0.280	7.1	42
07762005	5	0.303	7.7	52
07762007	7	0.346	8.8	70
07762012	12	0.413	10.5	97
07762018	18	0.472	12.0	134
07762025	25	0.563	14.3	180
07762034	34	0.598	15.2	234
07762050	50	0.728	18.5	245
07762061	61	0.787	20.0	298
▶ 19 AWG (≈ 42/34) ▪ 0.75 mm²				
07761902	2	0.268	6.8	37
07761903	3	0.280	7.1	42
07761904	4	0.299	7.6	50
07761905	5	0.323	8.2	60
07761907	7	0.374	9.5	81
07761912	12	0.445	11.3	115
07761918	18	0.516	13.1	161
07761925	25	0.622	15.8	221
07761934	34	0.689	17.5	225
07761950	50	0.787	20.0	400
07761961	61	0.925	23.5	525
▶ 18 AWG (≈ 56/34) ▪ 1.00 mm²				
07761802	2	0.276	7.0	41
07761803	3	0.287	7.3	47
07761804	4	0.311	7.9	57
07761805	5	0.335	8.5	69
07761807	7	0.386	9.8	88
07761812	12	0.461	11.7	136
07761818	18	0.535	13.6	200
07761825	25	0.646	16.4	263
07761834	34	0.709	18.0	350
07761850	50	0.878	22.3	527
07761861	61	0.961	24.4	648

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 16 AWG (≈ 84/34) ▪ 1.50 mm²				
07761602	2	0.299	7.6	50
07761603	3	0.315	8.0	60
07761604	4	0.339	8.6	73
07761605	5	0.366	9.3	90
07761607	7	0.425	10.8	124
07761612	12	0.508	12.9	181
07761618	18	0.594	15.1	263
07761625	25	0.720	18.3	355
07761634	34	0.803	20.4	467
07761650	50	0.976	24.8	710
07761661	61	1.091	27.7	861
▶ 14 AWG (≈ 140/34) ▪ 2.50 mm²				
07761402	2	0.362	9.2	74
07761403	3	0.382	9.7	91
07761404	4	0.413	10.5	113
07761405	5	0.453	11.5	136
07761407	7	0.531	13.5	181
07761412	12	0.654	16.6	293
07761418	18	0.783	19.9	428
07761425	25	1.00	25.4	619
▶ 12 AWG (≈ 224/34) ▪ 4.00 mm²				
07761203	3	0.465	11.8	139
07761204	4	0.469	11.9	165
07761205	5	0.516	13.1	200
07761207	7	0.654	16.6	277
▶ 10 AWG (≈ 186/32) ▪ 6.00 mm²				
07761003	3	0.528	13.4	203
07761004	4	0.571	14.5	247
07761005	5	0.630	16.0	307
▶ 8 AWG (≈ 320/32) ▪ 10.00 mm²				
07760804	4	0.705	17.9	403
07760805	5	0.776	19.7	503

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 6 AWG (≈ 504/32) ▪ 16.00 mm²				
07760604	4	0.823	20.9	575
07760605	5	0.953	24.2	734
▶ 4 AWG (≈ 760/32) ▪ 25.00 mm²				
07760404	4	1.020	25.9	892
07760405	5	1.122	28.5	1088
▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm²				
07760204	4	1.150	29.2	1164
07760205	5	1.272	32.3	1420
▶ 1 AWG (≈ 703/28) ▪ 50.00 mm²				
07760104	4	1.350	34.3	1659

Other dimensions and colors are available on request



also available with orange jacket and blue or red conductors