

also available
with blue and red
conductors
and gray jacket

CONTINUOUS FLEX CABLES



S 960 Very flexible continuous flex control cable for small bending radius with black conductors

2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE



Marking for S 960 07521612: SAB BRÖCKSKES · D-VIERSEN ·

07521215 12 x 1,5 mm² S 960 16 AWG/12c 07521612 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

S 960 is a very flexible multi-conductor 90°C, 600 V cable designed for continuous flex applications. The S 960 is designed for use on gantry robots, cable tracks, pick and place units, automated handling equipment, machine tools, conveyor systems and other continuous flexing applications.

B
12

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	black 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 TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	black

Outstanding features:

- good flexibility
- small bending radius
- reinforced outer jacket

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:	8 x 10 ⁷ cJ/kg
Temperature range static:	DIN VDE -40/+70°C flexing: UL/CSA: up to +90°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:	acc. to our internal standard see page N/27
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 28/34) • 0.50 mm ²					▶ 18 AWG (≈ 56/34) • 1.00 mm ²					▶ 12 AWG (≈ 224/34) • 4.00 mm ²				
07522002	2	0.217	5.5	27	07521812	12	0.453	11.5	142	07521203	3	0.445	11.3	150
07522003	3	0.228	5.8	32	07521818	18	0.539	13.7	210	07521204	4	0.488	12.4	179
07522004	4	0.248	6.3	38	07521825	25	0.650	16.5	285	07521205	5	0.543	13.8	230
07522005	5	0.276	7.0	48	07521834	34	0.736	18.7	382	07521207	7	0.657	16.7	331
07522007	7	0.323	8.2	66	07521850	50	0.886	22.5	555	▶ 10 AWG (≈ 186/32) • 6.00 mm ²				
07522012	12	0.398	10.1	97	07521861	61	0.965	24.5	671	07521003	3	0.516	13.1	214
07522018	18	0.472	12.0	142	▶ 16 AWG (≈ 84/34) • 1.50 mm ²					07521004	4	0.571	14.5	256
07522025	25	0.567	14.4	191	07521602	2	0.268	6.8	47	07521005	5	0.638	16.2	329
07522034	34	0.638	16.2	254	07521603	3	0.287	7.3	59	07521007	7	0.764	19.4	470
07522050	50	0.752	19.1	351	07521604	4	0.315	8.0	73	▶ 8 AWG (≈ 320/32) • 10.00 mm ²				
07522061	61	0.831	21.1	440	07521605	5	0.346	8.8	91	07520803	3	0.638	16.2	337
▶ 19 AWG (≈ 42/34) • 0.75 mm ²					07521607	7	0.417	10.6	129	07520804	4	0.709	18.0	428
07521902	2	0.232	5.9	32	07521612	12	0.512	13.0	194	07520805	5	0.791	20.1	529
07521903	3	0.248	6.3	38	07521618	18	0.606	15.4	286	▶ 6 AWG (≈ 504/32) • 16.00 mm ²				
07521904	4	0.268	6.8	46	07521625	25	0.736	18.7	390	07520603	3	0.764	19.4	507
07521905	5	0.295	7.5	57	07521634	34	0.831	21.1	522	07520604	4	0.846	21.5	641
07521907	7	0.358	9.1	82	07521650	50	0.988	25.1	749	07520605	5	0.949	24.1	798
07521912	12	0.433	11.0	119	07521661	61	1.087	27.6	915	▶ 4 AWG (≈ 760/32) • 25.00 mm ²				
07521918	18	0.516	13.1	175	▶ 14 AWG (≈ 140/34) • 2.50 mm ²					07520404	4	1.024	26.0	935
07521925	25	0.622	15.8	238	07521402	2	0.350	8.9	79	07520405	5	1.142	29.0	1195
07521934	34	0.705	17.9	319	07521403	3	0.374	9.5	97	▶ 2 AWG (≈ 1083/32) • 35.00 mm ²				
07521950	50	0.831	21.1	450	07521404	4	0.409	10.4	120	07520204	4	1.173	29.8	1284
07521961	61	0.925	23.5	558	07521405	5	0.457	11.6	150	07520205	5	1.295	32.9	1582
▶ 18 AWG (≈ 56/34) • 1.00 mm ²					07521407	7	0.551	14.0	214	▶ 1 AWG (≈ 703/28) • 50.00 mm ²				
07521802	2	0.244	6.2	37	07521412	12	0.681	17.3	323	07520104	4	1.374	34.9	1796
07521803	3	0.256	6.5	44	07521418	18	0.815	20.7	480	Other dimensions and colors are possible on request.				
07521804	4	0.283	7.2	55	07521425	25	0.988	25.1	654					
07521805	5	0.311	7.9	68										
07521807	7	0.370	9.4	95										

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