

CONTINUOUS FLEX CABLES

also available
with black and blue
conductors
and orange jacket

S 960 P red Very flexible continuous flex polyurethane control cable for small bending radius with red conductors



Marking for S 960 P red 37201607: SAB BRÖCKSKES · D-VIERSEN ·

37200715 7 x 1,5 mm² S 960 P red 16 AWG/7c 37201607 AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

S 960 P red is a very flexible multi-conductor 80°C, 600 V cable designed for continuous flex applications. The specially PUR jacket passes not only the stringent VDE test 0282 part 10 and HD 22.10 oil test providing the best oil resistance, but it also provides excellent chemical and abrasion resistance. The S 960 P red 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 in harsh environments.

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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:	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:	PU acc. to UL 758 with mat surface
Jacket color:	gray

Outstanding features:

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

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 -40/+70°C UL/CSA: up to +80°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 - oil rating 60°C acc. to UL 758
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
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	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 (≈ 28/34) • 0.50 mm ²					▶ 18 AWG (≈ 56/34) • 1.00 mm ²					▶ 12 AWG (≈ 224/34) • 4.00 mm ²				
37202002	2	0.252	6.4	31	37201812	12	0.461	11.7	136	37201203	3	0.465	11.8	139
37202003	3	0.264	6.7	36	37201818	18	0.535	13.6	200	37201204	4	0.469	11.9	165
37202004	4	0.280	7.1	42	37201825	25	0.646	16.4	263	37201205	5	0.516	13.1	200
37202005	5	0.303	7.7	52	37201834	34	0.709	18.0	350	37201207	7	0.654	16.6	278
37202007	7	0.346	8.8	70	37201850	50	0.878	22.3	527	▶ 10 AWG (≈ 186/32) • 6.00 mm ²				
37202012	12	0.413	10.5	97	37201861	61	0.961	24.4	648	37201003	3	0.528	13.4	203
37202018	18	0.472	12.0	134	▶ 16 AWG (≈ 84/34) • 1.50 mm ²					37201004	4	0.571	14.5	247
37202025	25	0.563	14.3	180	37201602	2	0.299	7.6	50	37201005	5	0.630	16.0	307
37202034	34	0.598	15.2	235	37201603	3	0.315	8.0	60	▶ 8 AWG (≈ 320/32) • 10.00 mm ²				
37202050	50	0.728	18.5	245	37201604	4	0.339	8.6	73	37200804	4	0.705	17.9	403
37202061	61	0.787	20.0	298	37201605	5	0.366	9.3	90	37200805	5	0.776	19.7	503
▶ 19 AWG (≈ 42/34) • 0.75 mm ²					37201607	7	0.425	10.8	124	▶ 6 AWG (≈ 504/32) • 16.00 mm ²				
37201902	2	0.268	6.8	37	37201612	12	0.508	12.9	181	37200604	4	0.823	20.9	575
37201903	3	0.280	7.1	42	37201618	18	0.594	15.1	263	37200605	5	0.953	24.2	734
37201904	4	0.299	7.6	50	37201625	25	0.720	18.3	355	▶ 4 AWG (≈ 760/32) • 25.00 mm ²				
37201905	5	0.323	8.2	60	37201634	34	0.803	20.4	467	37200404	4	1.020	25.9	892
37201907	7	0.374	9.5	81	37201650	50	0.976	24.8	710	37200405	5	1.122	28.5	1089
37201912	12	0.445	11.3	115	37201665	61	1.091	27.7	862	▶ 2 AWG (≈ 1083/32) • 35.00 mm ²				
37201918	18	0.516	13.1	161	▶ 14 AWG (≈ 140/34) • 2.50 mm ²					37200204	4	1.150	29.2	1165
37201925	25	0.622	15.8	221	37201402	2	0.362	9.2	74	37200205	5	1.272	32.3	1420
37201934	34	0.689	17.5	225	37201403	3	0.382	9.7	91	▶ 1 AWG (≈ 703/28) • 50.00 mm ²				
37201950	50	0.787	20.0	401	37201404	4	0.413	10.5	113	37200104	4	1.350	34.3	1659
37201961	61	0.925	23.5	525	37201405	5	0.453	11.5	136	Other dimensions and colors are possible on request.				
▶ 18 AWG (≈ 56/34) • 1.00 mm ²					37201407	7	0.531	13.5	181					
37201802	2	0.276	7.0	41	37201412	12	0.654	16.6	293					
37201803	3	0.287	7.3	47	37201418	18	0.783	19.9	428					
37201804	4	0.311	7.9	57	37201425	25	1.000	25.4	620					
37201805	5	0.335	8.5	69										
37201807	7	0.386	9.8	88										

