

also available with black and blue conductors and gray jacket

CONTINUOUS FLEX CABLES



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



Marking for S 960 red 07751607: SAB BRÖCKSKES · D-VIERSEN ·

07750715 7 x 1,5 mm² S 960 red 16 AWG/07c 07751607 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

S 960 red is a very flexible multi-conductor 90°C, 600 V cable designed for continuous flex applications. The S 960 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.

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Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	PVC, T12 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:	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 <i>continuous flexing:</i>	7.5 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range <i>static:</i> <i>flexing:</i>	DIN VDE UL/CSA: up to +90°C -40/+70°C +5/+70°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/25
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/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				
07752002	2	0.217	5.5	27
07752003	3	0.228	5.8	32
07752004	4	0.248	6.3	38
07752005	5	0.276	7.0	48
07752007	7	0.323	8.2	66
07752012	12	0.398	10.1	97
07752018	18	0.472	12.0	142
07752025	25	0.567	14.4	191
07752034	34	0.638	16.2	254
07752050	50	0.752	19.1	351
07752061	61	0.831	21.1	440
▶ 19 AWG (42/34) • 0.75 mm²				
07751902	2	0.232	5.9	32
07751903	3	0.248	6.3	38
07751904	4	0.268	6.8	46
07751905	5	0.295	7.5	57
07751907	7	0.358	9.1	82
07751912	12	0.433	11.0	119
07751918	18	0.516	13.1	175
07751925	25	0.622	15.8	238
07751934	34	0.705	17.9	319
07751950	50	0.831	21.1	450
07751961	61	0.925	23.5	558
▶ 18 AWG (56/34) • 1.00 mm²				
07751802	2	0.244	6.2	37
07751803	3	0.256	6.5	44
07751804	4	0.283	7.2	55
07751805	5	0.311	7.9	68
07751807	7	0.370	9.4	95

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				
07751812	12	0.453	11.5	142
07751818	18	0.539	13.7	210
07751825	25	0.650	16.5	285
07751834	34	0.736	18.7	382
07751850	50	0.886	22.5	555
07751861	61	0.965	24.5	671
▶ 16 AWG (84/34) • 1.50 mm²				
07751602	2	0.268	6.8	47
07751603	3	0.287	7.3	59
07751604	4	0.315	8.0	73
07751605	5	0.346	8.8	91
07751607	7	0.417	10.6	129
07751612	12	0.512	13.0	194
07751618	18	0.606	15.4	286
07751625	25	0.736	18.7	390
07751634	34	0.831	21.1	522
07751650	50	0.988	25.1	749
07751661	61	1.087	27.6	915
▶ 14 AWG (140/34) • 2.50 mm²				
07751402	2	0.350	8.9	79
07751403	3	0.374	9.5	97
07751404	4	0.409	10.4	120
07751405	5	0.457	11.6	150
07751407	7	0.551	14.0	214
07751412	12	0.681	17.3	323
07751418	18	0.815	20.7	480
07751425	25	0.988	25.1	654

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 12 AWG (224/34) • 4.00 mm²				
07751203	3	0.445	11.3	150
07751204	4	0.488	12.4	179
07751205	5	0.543	13.8	230
07751207	7	0.657	16.7	331
▶ 10 AWG (192/32) • 6.00 mm²				
07751003	3	0.516	13.1	214
07751004	4	0.571	14.5	256
07751005	5	0.638	16.2	329
07751007	7	0.764	19.4	470
▶ 8 AWG (320/32) • 10.00 mm²				
07750803	3	0.638	16.2	337
07750804	4	0.709	18.0	428
07750805	5	0.791	20.1	529
▶ 6 AWG (512/32) • 16.00 mm²				
07750603	3	0.764	19.4	507
07750604	4	0.846	21.5	641
07750605	5	0.949	24.1	798
▶ 4 AWG (798/32) • 25.00 mm²				
07750404	4	1.024	26.0	935
07750405	5	1.142	29.0	1195
▶ 2 AWG (1102/32) • 35.00 mm²				
07750204	4	1.173	29.8	1284
07750205	5	1.295	32.9	1582
▶ 1 AWG (703/28) • 50.00 mm²				
07750104	4	1.374	34.9	1796

Other dimensions and colors are possible on request.

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