

CONTINUOUS FLEX CABLES

also available with red and blue conductors and gray jacket



S 960 CY Shielded continuous flex control cable for small bending radius with black conductors



Marking for S 960 CY red 07541607: SAB BRÖCKSKES · D-VIERSEN ·

07540715 7 G 1.5 mm² S 960 CY 16 AWG/7c 07541607 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

S 960 CY is a very flexible, shielded multi-conductor 90°C, 600 V cable designed for continuous flex applications. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. The S 960 CY 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, Tl2 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
Inner jacket:	PVC, TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PVC, TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	black

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 conductor/screen 2000 V
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 +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 O/28
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/29

Outstanding features:

- very good EMC characteristics
- very good flexibility
- small bending radius
- UV resistant jacket

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 mm²					▶ 18 AWG (≈ 56/34) • 1.00 mm²					▶ 12 AWG (≈ 224/34) • 4.00 mm²				
07542002	2	0.311	7.9	53	07541802	2	0.339	8.6	66	07541203	3	0.539	13.7	202
07542003	3	0.323	8.2	61	07541803	3	0.350	8.9	75	07541204	4	0.575	14.6	251
07542004	4	0.343	8.7	70	07541804	4	0.374	9.5	88	07541205	5	0.630	16.0	304
07542005	5	0.370	9.4	83	07541805	5	0.406	10.3	105	▶ 10 AWG (≈ 186/32) • 6.00 mm²				
07542007	7	0.421	10.7	110	07541807	7	0.476	12.1	144	07541003	3	0.638	16.2	288
07542012	12	0.516	13.1	163	07541812	12	0.579	14.7	222	07541004	4	0.685	17.4	347
07542018	18	0.594	15.1	226	07541818	18	0.665	16.9	305	07541005	5	0.760	19.3	416
07542025	25	0.697	17.7	296	07541825	25	0.791	20.1	405	▶ 8 AWG (≈ 320/32) • 10.00 mm²				
▶ 19 AWG (≈ 42/34) • 0.75 mm²					▶ 16 AWG (≈ 84/34) • 1.50 mm²					▶ 6 AWG (≈ 504/32) • 16.00 mm²				
07541902	2	0.327	8.3	60	07541602	2	0.366	9.3	79	07540804	4	0.835	21.2	532
07541903	3	0.343	8.7	69	07541603	3	0.382	9.7	92	07540805	5	0.925	23.5	644
07541904	4	0.366	9.3	81	07541604	4	0.409	10.4	110	▶ 4 AWG (≈ 760/32) • 25.00 mm²				
07541905	5	0.394	10.0	95	07541605	5	0.453	11.5	140	07540404	4	1.165	29.6	1124
07541907	7	0.457	11.6	126	07541607	7	0.531	13.5	192	07540405	5	1.291	32.8	1329
07541912	12	0.551	14.0	185	07541612	12	0.638	16.2	282	▶ 2 AWG (≈ 1083/32) • 35.00 mm²				
07541918	18	0.638	16.2	261	07541618	18	0.744	18.9	394	07540204	4	1.303	33.1	1418
07541925	25	0.764	19.4	350	07541625	25	0.886	22.5	530	▶ 1 AWG (≈ 703/28) • 50.00 mm²				
					▶ 14 AWG (≈ 140/34) • 2.50 mm²					Other dimensions and colors are possible on request.				
					07541402	2	0.449	11.4	122					
					07541403	3	0.472	12.0	147					
					07541404	4	0.516	13.1	179					
					07541405	5	0.571	14.5	229					
					07541407	7	0.622	15.8	294					
					07541412	12	0.803	20.4	438					
					07541418	18	0.933	23.7	610					
					07541425	25	1.110	28.2	815					

Available with red conductors (P/N series 0785xxxx).
Go to www.sabcable.com for more detail and specifications.

E-mail: info@sabcable.com



Web site: www.sabcable.com