

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 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.

B
15

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: +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					▶ 1 AWG (≈ 703/28) • 50.00 mm²					Other dimensions and colors are possible on request.				
07541402	2	0.449	11.4	122	07541402	2	0.449	11.4	122	07540104	4	1.567	39.8	2022
07541403	3	0.472	12.0	147	07541403	3	0.472	12.0	147					
07541404	4	0.516	13.1	179	07541404	4	0.516	13.1	179					
07541405	5	0.571	14.5	229	07541405	5	0.571	14.5	229					
07541407	7	0.622	15.8	294	07541407	7	0.622	15.8	294					
07541412	12	0.803	20.4	438	07541412	12	0.803	20.4	438					
07541418	18	0.933	23.7	610	07541418	18	0.933	23.7	610					
07541425	25	1.110	28.2	815	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