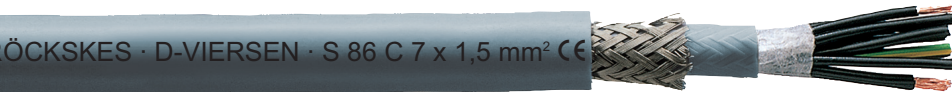


CONTINUOUS FLEX CABLES



S 86 C Shielded continuous flex cable for moderate flexing applications



Marking for S 86 C 37820715:
SAB BRÖCKSKES · D-VIERSEN · S 86 C 7 x 1,5 mm² CE

S 86 C has been designed for use in cable tracks, automatic handling equipment and machine components in constant operation. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. The special cable design makes S 86 C ideally suited for a wide range of moderate flexing operations.

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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:	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:	gray

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2 conductor/screen 2000 V
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>	-40/+70 °C +5/+70 °C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Oil resistance:	acc. to our internal standard see page N/25
Chem. resistance:	see page N/9
Flexibility:	very good
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

Outstanding features:

- very good flexibility
- good EMC characteristics
- small bending radius
- reinforced outer jacket

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	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					▶ 19 AWG (42/34) • 0.75 mm²					▶ 18 AWG (56/34) • 1.00 mm²				
37820205	2	0.307	7.8	54	37820207	2	0.327	8.3	62	37820210	2	0.339	8.6	68
37820305	3	0.319	8.1	60	37820307	3	0.339	8.6	69	37820310	3	0.354	9.0	79
37820405	4	0.335	8.5	68	37820407	4	0.366	9.3	83	37820410	4	0.378	9.6	91
37820505	5	0.366	9.3	81	37820507	5	0.390	9.9	96	37820510	5	0.402	10.2	106
37820705	7	0.406	10.3	105	37820707	7	0.457	11.6	130	37820710	7	0.476	12.1	167
37821205	12	0.504	12.8	155	37821207	12	0.551	14.0	190	37821210	12	0.575	14.6	225
37821805	18	0.591	15.0	221	37821807	18	0.634	16.1	268	37821810	18	0.665	16.9	312
37822505	25	0.681	17.3	284	37822507	25	0.764	19.4	360	37822510	25	0.776	19.7	409
37823005	30	0.705	17.9	317	37823007	30	0.783	19.9	404	37822710	27	0.787	20.0	429
37823605	36	0.768	19.5	376	37823607	36	0.843	21.4	395	37823010	30	0.819	20.8	465
										37823610	36	0.878	22.3	548

Continued on next page

CONTINUOUS FLEX CABLES

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Marking for S 86 C 37820715:
SAB BRÖCKSKES · D-VIERSEN · S 86 C 7 x 1,5 mm² CE

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Construction:

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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
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:	gray

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2 conductor/screen 2000 V
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>	-40/+70 °C +5/+70 °C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Oil resistance:	acc. to our internal standard see page N/25
Chem. resistance:	see page N/9
Flexibility:	very good
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

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item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG (84/34) • 1.50 mm²					▶ 14 AWG (140/34) • 2.50 mm²					▶ 10 AWG (192/32) • 6.00 mm²				
37820215	2	0.366	9.3	81	37820225	2	0.445	11.3	123	37820260	2	0.591	15.0	230
37820315	3	0.382	9.7	94	37820325	3	0.472	12.0	151	37820360	3	0.618	15.7	285
37820415	4	0.413	10.5	114	37820425	4	0.512	13.0	181	37820460	4	0.689	17.5	343
37820515	5	0.449	11.4	142	37820525	5	0.567	14.4	232	37820560	5	0.740	18.8	411
37820715	7	0.524	13.3	193	37820725	7	0.657	16.7	307	37820760	7	0.874	22.2	543
37821215	12	0.634	16.1	286	37821225	12	0.795	20.2	442	▶ 8 AWG (320/32) • 10.00 mm²				
37821815	18	0.732	18.6	395	37821825	18	0.929	23.6	631	37820461	4	0.819	20.8	534
37822515	25	0.878	22.3	534	37822525	25	1.110	28.2	834	37820561	5	0.898	22.8	620
37822715	27	0.878	22.3	557	37823025	30	1.142	29.0	948	▶ 6 AWG (512/32) • 16.00 mm²				
37823015	30	0.902	22.9	598	37823625	36	1.244	31.6	1126	37820462	4	0.953	24.2	761
37823615	36	0.976	24.8	715	▶ 12 AWG (224/34) • 4.00 mm²					37820562	5	1.063	27.0	902
					37820240	2	0.508	12.9	167	▶ 4 AWG (798/32) • 25.00 mm²				
					37820340	3	0.539	13.7	206	37820463	4	1.118	28.4	1085
					37820440	4	0.591	15.0	261	37820563	5	1.244	31.6	1299
					37820540	5	0.646	16.4	304	▶ 2 AWG (1102/32) • 35.00 mm²				
					37820740	7	0.752	19.1	398	37820464	4	1.283	32.6	1424

Other dimensions and colors are possible on request.