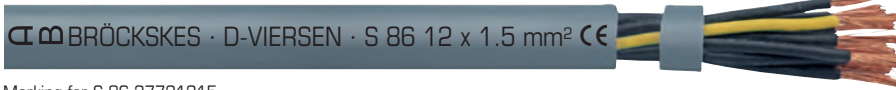


# Continuous Flex

## S 86

Continuous flex cable for moderate flexing applications



Marking for S 86 37721215

SAB BRÖCKSKES · D-VIERSEN · S 86 12 x 1.5 mm² CE

B  
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### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Jacket material:</b>	PVC, TM2 acc. to EN 50363-4-1 +VDE 0207-363-4-1, reinforced wall thickness
<b>Jacket color:</b>	gray (RAL 7000)

### Outstanding features:



- very good flexibility
- small bend radius
- reinforced outer jacket

### Technical data:

<b>Nominal voltage:</b>	Uo/U 300/500 V
<b>Testing voltage:</b>	conductor/conductor: 3000 V
<b>Min. bending radius:</b> <i>continuously flexing:</i>	7.5 x O.D.
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range:</b> <i>static:</i> <i>flexing:</i>	<b>DIN VDE</b> -40/+70°C +5/+70°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Oil resistance:</b>	acc. to our internal standard, see page O/29
<b>Chemical resistance:</b>	see page O/11
<b>Flexibility:</b>	very good
<b>Approvals:</b>	CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 20 AWG (≈ 28/34) ▪ 0.50 mm<sup>2</sup></b>				
37720205	2	0.209	5.3	23
37720305	3	0.220	5.6	30
37720405	4	0.244	6.2	38
37720505	5	0.268	6.8	46
37720705	7	0.315	8.0	65
37721205	12	0.390	9.9	95
37721805	18	0.457	11.6	136
37722505	25	0.559	14.2	188
37723605	36	0.626	15.9	257
37724405	44	0.717	18.2	317
37725205	52	0.744	18.9	361
37726505	65	0.846	21.5	455
<b>▶ 19 AWG (≈ 42/34) ▪ 0.75 mm<sup>2</sup></b>				
37720207	2	0.228	5.8	31
37720307	3	0.248	6.3	40
37720407	4	0.268	6.8	48
37720507	5	0.299	7.6	60
37720707	7	0.358	9.1	86
37721207	12	0.437	11.1	125
37721807	18	0.516	13.1	181
37722507	25	0.626	15.9	247
37723607	36	0.713	18.1	347
37724407	44	0.803	20.4	401
37725207	52	0.843	21.4	484
37726507	65	0.957	24.3	613
<b>▶ 18 AWG (≈ 56/34) ▪ 1.00 mm<sup>2</sup></b>				
37720210	2	0.244	6.2	38
37720310	3	0.256	6.5	46
37720410	4	0.280	7.1	55
37720510	5	0.311	7.9	70
37720710	7	0.370	9.4	99
37721210	12	0.453	11.5	146
37721810	18	0.543	13.8	218

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 18 AWG (≈ 56/34) ▪ 1.00 mm<sup>2</sup></b>				
37722510	25	0.657	16.7	297
37723610	36	0.744	18.9	413
37724410	44	0.843	21.4	486
37725210	52	0.886	22.5	583
37726510	65	1.000	25.4	736
<b>▶ 16 AWG (≈ 84/34) ▪ 1.50 mm<sup>2</sup></b>				
37720215	2	0.268	6.8	47
37720315	3	0.283	7.2	58
37720415	4	0.315	8.0	75
37720515	5	0.343	8.7	91
37720715	7	0.417	10.6	133
37721215	12	0.512	13.0	198
37721815	18	0.610	15.5	294
37722515	25	0.740	18.8	399
37723615	36	0.839	21.3	561
37724415	44	0.953	24.2	668
37725215	52	1.000	25.4	794
37726515	65	1.130	28.7	1002
<b>▶ 14 AWG (≈ 140/34) ▪ 2.50 mm<sup>2</sup></b>				
37720225	2	0.339	8.6	75
37720325	3	0.366	9.3	96
37720425	4	0.398	10.1	118
37720525	5	0.445	11.3	148
37720725	7	0.535	13.6	218
37721225	12	0.665	16.9	327
37721825	18	0.799	20.3	475
37722525	25	0.972	24.7	669
37722725	27	0.996	25.3	698
37723025	30	1.028	26.1	763
37723625	36	1.098	27.9	934
37724425	44	1.268	32.2	1107
37725225	52	1.319	33.5	1276
37726525	65	1.484	37.7	1589

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 12 AWG (≈ 224/34) ▪ 4.00 mm<sup>2</sup></b>				
37720240	2	0.390	9.9	105
37720340	3	0.425	10.8	143
37720440	4	0.465	11.8	181
37720540	5	0.516	13.1	216
37720740	7	0.650	16.5	328
<b>▶ 10 AWG (≈ 186/32) ▪ 6.00 mm<sup>2</sup></b>				
37720260	2	0.484	12.3	153
37720360	3	0.512	13.0	205
37720460	4	0.567	14.4	263
37720560	5	0.634	16.1	317
37720760	7	0.768	19.5	464
<b>▶ 8 AWG (≈ 320/32) ▪ 10.00 mm<sup>2</sup></b>				
37720461	4	0.681	17.3	423
37720561	5	0.768	19.5	519
<b>▶ 6 AWG (≈ 504/32) ▪ 16.00 mm<sup>2</sup></b>				
37720462	4	0.823	20.9	634
37720562	5	0.917	23.3	761
<b>▶ 4 AWG (≈ 760/32) ▪ 25.00 mm<sup>2</sup></b>				
37720463	4	0.972	24.7	880
37720563	5	1.098	27.9	1159
<b>▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm<sup>2</sup></b>				
37720464	4	1.13	28.7	1214
37720564	5	1.268	32.2	1564
<b>▶ 1 AWG (≈ 703/28) ▪ 50.00 mm<sup>2</sup></b>				
37720465	4	1.358	34.5	1762
37720565	5	1.524	38.7	2236

Other dimensions and colors are available on request