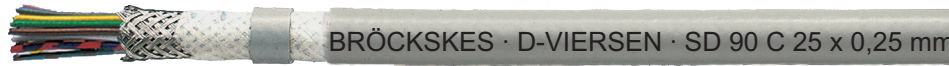


# CONTINUOUS FLEX CABLES

## SD 90 C Continuous flex shielded polyurethane cable track data cable



Marking for SD 90 C 07882502:  
SAB BRÖCKSKES · D-VIERSEN · SD 90 C 25 x 0,25 mm<sup>2</sup> CE

SD 90 C is a continuous flex cable with a polyurethane outer jacket that provides cost effective operation of machine tools requiring long service life in harsh environments. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. The polyurethane outer jacket provides excellent resistance to abrasion and mineral oils in continuous flex applications. Passes the stringent VDE test 0282 part 10 and HD 22.10 oil test.

Construction:	
<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	PVC, T12 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Color code:</b>	with reference to DIN 47100
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Wrapping:</b>	non-woven tape
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Jacket color:</b>	gray

Technical data:	
<b>Peak operating voltage:</b>	max. 350 V acc. to DIN VDE
<b>Testing voltage U:</b>	1500 V acc. to DIN VDE 0472 part 509 conductor/screen 1200 V
<b>Min. bending radius</b> <i>continuous flexing:</i>	7.5 x O.D.
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b> <i>static:</i> <i>flexing:</i>	-30/+70 °C -5/+70 °C
<b>Oil resistance:</b>	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Flexibility:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

- Outstanding features:**
- very good EMC characteristics
  - improved abrasion resistance
  - high tear resistance
  - good chemical resistance
  - increased efficiency

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (18/38) • 0.14 mm <sup>2</sup>				
07880201	2	0.154	3.9	13
07880301	3	0.161	4.1	15
07880401	4	0.169	4.3	17
07880501	5	0.181	4.6	21
07880701	7	0.205	5.2	26
07881201	12	0.240	6.1	35
07881801	18	0.272	6.9	47
07882501	25	0.319	8.1	60

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 24 AWG (32/38) • 0.25 mm <sup>2</sup>				
07880202	2	0.165	4.2	17
07880302	3	0.173	4.4	19
07880402	4	0.185	4.7	22
07880502	5	0.197	5.0	26
07880702	7	0.224	5.7	34
07881202	12	0.264	6.7	46
07881802	18	0.303	7.7	65
07882502	25	0.362	9.2	86

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 22 AWG (42/38) • 0.34 mm <sup>2</sup>				
07880203	2	0.189	4.8	22
07880303	3	0.197	5.0	24
07880403	4	0.213	5.4	28
07880503	5	0.228	5.8	34
07880703	7	0.264	6.7	46
07881203	12	0.311	7.9	62
07881803	18	0.370	9.4	91
07882503	25	0.457	11.6	131

Other dimensions and colors are possible on request.