

CONTINUOUS FLEX CABLES



SD 90 Continuous flex polyurethane cable track data cable

BRÖCKSKES · D-VIERSEN · SD 90 25 x 0,25 mm² CE



Marking for SD 90 07782502:

SAB BRÖCKSKES · D-VIERSEN · SD 90 25 x 0,25 mm² CE

SD 90 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. 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.

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Construction:

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

Outstanding features:

- oil resistant
- improved abrasion resistance
- high tear resistance
- good chemical resistance
- increased efficiency

Technical data:

Peak operating voltage:	max. 350 V acc. to DIN VDE
Testing voltage U:	1500 V acc. to DIN VDE 0472 part 509
Min. bending radius <i>continuous flexing:</i>	7.5 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range <i>static:</i>	-30/+70 °C
<i>flexing:</i>	-5/+70 °C
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Flexibility:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 26 AWG (≈ 18/38) • 0.14 mm ²				
07780201	2	0.130	3.3	8
07780301	3	0.138	3.5	9
07780401	4	0.146	3.7	11
07780501	5	0.157	4.0	13
07780701	7	0.181	4.6	18
07781201	12	0.217	5.5	26
07781801	18	0.248	6.3	36
07782501	25	0.295	7.5	47

item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 24 AWG (≈ 14/34) • 0.25 mm ²				
07780202	2	0.138	3.5	10
07780302	3	0.150	3.8	13
07780402	4	0.161	4.1	15
07780502	5	0.173	4.4	19
07780702	7	0.201	5.1	26
07781202	12	0.240	6.1	36
07781802	18	0.280	7.1	52
07782502	25	0.339	8.6	71

item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 22 AWG (≈ 7/30) • 0.34 mm ²				
07780203	2	0.165	4.2	14
07780303	3	0.173	4.4	17
07780403	4	0.189	4.8	21
07780503	5	0.205	5.2	26
07780703	7	0.240	6.1	35
07781203	12	0.287	7.3	50
07781803	18	0.346	8.8	75
07782503	25	0.409	10.4	99

Other dimensions and colors are possible on request.