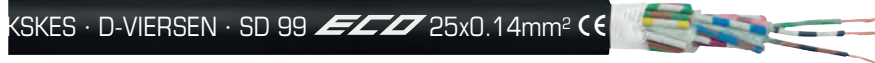


Continuous Flex Cables for Track

SD 99 *ECO*

Continuous flex SABIX®/PUR data cable with colored conductors



Marking for SD 99 *ECO* 9730402:

SAB BRÖCKSKES · D-VIERSEN · SD 99 *ECO* 4x0.25mm² CE

B
44

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	SABIX®
Color code:	DIN 47100
Stranding:	specially adjusted layering with non-woven tape over each layer
Wrapping:	non-woven tape
Shielding:	tinned copper braiding
Jacket material:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
Jacket color:	black (RAL 9005)

Technical data:

Peak operating voltage:	max. 350 V acc. to VDE 0812
Testing voltage:	conductor/conductor: 1500 V
Torsion angle:	± 60°/1 m
Min. bending radius:	
<i>fixed installation:</i>	3.0 x O.D.
<i>continuously flexing:</i>	7.5 x O.D.
Temperature range:	
<i>static:</i>	-50/+90°C
<i>flexing:</i>	-40/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Continuous flexibility:	very good
Sunlight resistance:	acc. to HD 605
Ozone resistance:	acc. to DIN EN 50396
Salt water resistance:	acc. to UL 1309
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

Outstanding features:



- low capacitance
- free from paint wetting impairment substances (PWIS-free)
- flexible at low temperatures
- halogen-free
- high abrasion resistance
- small bending radius
- small outer diameter

item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈lbs/mft
multi-conductor cable unshielded				
▶ 24 AWG (≈ 32/38) ▪ 0.25 mm ²				
9730402	4	0.142	3.6	12
9730702	7	0.181	4.6	21
▶ 22 AWG (≈ 42/38) ▪ 0.34 mm ²				
9730203	2	0.126	3.2	9
9730403	4	0.154	3.9	15

Other dimensions and colors are available on request

item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈lbs/mft
multi-conductor cable shielded				
▶ 26 AWG (≈ 18/38) ▪ 0.14 mm ²				
9830801	8	0.189	4.8	23
9831201	12	0.213	5.4	29
▶ 24 AWG (≈ 32/38) ▪ 0.25 mm ²				
9830402	4	0.161	4.1	18
9830502	5	0.177	4.5	23
9831202	12	0.248	6.3	40
▶ 22 AWG (≈ 42/38) ▪ 0.34 mm ²				
9830403	4	0.173	4.4	22
9830503	5	0.185	4.7	26
9831803	18	0.303	7.7	68
▶ 20 AWG (≈ 28/34) ▪ 0.50 mm ²				
9830550	5	0.217	5.5	34
▶ 19 AWG (≈ 42/34) ▪ 0.75 mm ²				
9830475	4	0.244	6.2	42

Other dimensions and colors are available on request

item no.	no. of pairs	nominal outer-ø inch	mm	cable weight ≈lbs/mft
multi-pair cable shielded				
▶ 26 AWG (≈ 18/38) ▪ 0.14 mm ²				
9890314	3	0.189	4.8	20
9891014	10	0.299	7.6	46
▶ 24 AWG (≈ 32/38) ▪ 0.25 mm ²				
9890225	2	0.189	4.8	22
9890425	4	0.248	6.3	33
9890525	5	0.268	6.8	40
9890625	6	0.276	7.0	46
▶ 22 AWG (≈ 42/38) ▪ 0.34 mm ²				
9890434	4	0.268	6.8	39
▶ 20 AWG (≈ 28/34) ▪ 0.50 mm ²				
9890250	2	0.236	6.0	34
9890350	3	0.268	6.8	44

Other dimensions and colors are available on request

Possible on request:

- 26 AWG to 19 AWG
- Number of conductors from 2 to 50
- Number of pairs from 1 to 48

DIN 47100 color code- conductors:

#1- white, #2- brown, #3- green, #4- yellow, #5- gray, #6- pink, #7- blue, #8- red, #9- black, #10- violet, #11- gray-pink, #12- red-blue, #13- white-green, #14- brown-green, #15- white-yellow, #16- yellow-brown, #17- white-gray, #18- gray-brown

DIN 47100 color code- pairs:

#1- white/brown, #2- green/yellow, #3- gray/pink, #4- blue/red, #5- black/purple, #6- gray-pink/red-blue, #7- white-green/brown-green, #8- white-yellow/yellow-brown, #9- white-gray/gray-brown, #10- white-pink/pink-brown

