

Continuous Flex Cables for Track

SD 86 C

Shielded continuous flex data cable for moderate flexing applications



D-VIERSEN · SD 86 C 25 x 0.25 mm²

Marking for SD 86 C 37822502:

SAB BRÖCKSKES · D-VIERSEN · SD 86 C 25 x 0.25 mm²

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	DIN 47100, see below
Stranding:	specially adjusted layering with non-woven tape over each layer
Wrapping:	non-woven tape
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PVC, TM2 acc. to EN 50363-3 + VDE 0207-363-3, reinforced wall thickness
Jacket color:	grayish tan (RAL 7032)

Outstanding features:

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

Technical data:

Peak operating voltage:	max. 350 V acc. to VDE 0812
Testing voltage:	conductor/conductor: 1500 V conductor/shielding: 1200V
Min. bending radius: <i>continuously flexing:</i>	7.5 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range: <i>static:</i> <i>flexing:</i>	DIN VDE -30/+70°C +5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	acc. to our internal standard, see page O/29
Chemical resistance:	see page O/11
Flexibility:	very good
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

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item no.	no. of conductors	outer-ø ±10% inch	±10% mm	cable weight ≈lbs/mft
► 26 AWG (≈ 18/38) · 0.14 mm ²				
37820201	2	0.146	3.7	13
37820301	3	0.154	3.9	16
37820401	4	0.161	4.1	17
37820501	5	0.173	4.4	22
37820701	7	0.205	5.2	28
37821201	12	0.248	6.3	40
37821801	18	0.280	7.1	52
37822501	25	0.346	8.8	74

item no.	no. of conductors	outer-ø ±10% inch	±10% mm	cable weight ≈lbs/mft
► 24 AWG (≈ 32/38) · 0.25 mm ²				
37820202	2	0.157	4.0	16
37820302	3	0.165	4.2	20
37820402	4	0.177	4.5	23
37820502	5	0.197	5.0	28
37820702	7	0.224	5.7	36
37821202	12	0.272	6.9	51
37821802	18	0.327	8.3	75
37822502	25	0.382	9.7	97

item no.	no. of conductors	outer-ø ±10% inch	±10% mm	cable weight ≈lbs/mft
► 22 AWG (≈ 42/38) · 0.34 mm ²				
37820203	2	0.189	4.8	22
37820303	3	0.197	5.0	26
37820403	4	0.213	5.4	30
37820503	5	0.228	5.8	36
37820703	7	0.268	6.8	50
37821203	12	0.335	8.5	74
37821803	18	0.386	9.8	101
37822503	25	0.461	11.7	140

Other dimensions and colors are available on request

DIN 47100 color code:

#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, #19- white-pink, #20- pink-brown, #21- white-blue, #22- brown-blue, #23- white-red, #24- brown-red, #25- white-black



Possible on request:

- 20 AWG or 19 AWG