

Continuous Flex Cables for Track

SD 86 C TP

Continuous flex twisted pairs shielded data cable for moderate flexing applications



EN · SD 86 C TP 3 x 2 x 0.5 mm² CE



Marking for SD 86 C TP 37650305:

SAB BRÖCKSKES · D-VIERSEN · SD 86 C TP 3 x 2 x 0.5 mm² CE

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	DIN 47100, see below
Stranding:	conductors twisted to pairs, pairs twisted in specially adjusted layering with non-woven tape over each layer
Wrapping:	non-woven tape
Shielding:	tinned copper braiding
Jacket material:	PVC, TM2 acc. to EN 50363-3 + VDE 0207-363-3
Jacket color:	grayish tan (RAL 7032)

Outstanding features:

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

Technical data:

Peak operating voltage:	max. 350 V acc. to VDE 0812
Testing voltage:	conductor/conductor: 1500 V conductor/shielding: 1200 V
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
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 pairs	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 26 AWG (≈ 18/38) ▪ 0.14 mm ²				
37640214	2	0.193	4.9	21
37640314	3	0.213	5.4	27
37640414	4	0.244	6.2	33
37640514	5	0.264	6.7	39
37640714	7	0.283	7.2	53
37641014	10	0.343	8.7	64
37641214	12	0.374	9.5	73
37641414	14	0.394	10.0	81
37641814	18	0.429	10.9	106
37642514	25	0.500	12.7	141

item no.	no. of pairs	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 24 AWG (≈ 32/38) ▪ 0.25 mm ²				
37640225	2	0.213	5.4	27
37640325	3	0.240	6.1	35
37640425	4	0.272	6.9	43
37640525	5	0.291	7.4	51
37640725	7	0.311	7.9	65
37641025	10	0.378	9.6	83
37641225	12	0.421	10.7	104
37641425	14	0.445	11.3	118
37641825	18	0.492	12.5	148
37642525	25	0.563	14.3	197

item no.	no. of pairs	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 22 AWG (≈ 42/38) ▪ 0.34 mm ²				
37640234	2	0.256	6.5	36
37640334	3	0.280	7.1	45
37640434	4	0.335	8.5	60
37640534	5	0.362	9.2	73
37640734	7	0.386	9.8	91
37641034	10	0.457	11.6	120
37641234	12	0.520	13.2	146
37641434	14	0.555	14.1	175
37641834	18	0.594	15.1	214
37642534	25	0.689	17.5	277

Other dimensions and colors are available on request

DIN 47100 color code:

#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, #11- white-blue/brown-blue, #12- white-red/brown-red, #13- white-black/brown-black, #14- gray-green/yellow-gray, #15- pink-green/yellow-pink, #16- green-blue/yellow-blue, #17- green-red/yellow-red, #18- green-black/yellow-black, #19- gray-blue/pink-blue, #20- gray-red/pink-red, #21- gray-black/pink-black, #22- blue-black, red-black, #23- white/brown, #24- green/yellow, #25- gray/pink