

Continuous Flex Cables for Track

SD 960 CP

Continuous flex shielded polyurethane data cable for small bending radius



CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for SD 960 CP 7862625:

SAB BRÖCKSKES · D-VIERSEN · 7862501 25 x 0.14 mm² SD 960 CP 26 AWG/25c 7862625 AWM Style 20233 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	US 2, 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:	PU acc. to UL 758 with matte surface
Jacket color:	grayish tan (RAL 7032)

Outstanding features:

- very good EMC characteristics
- high abrasion resistance
- very good flexibility

Technical data:

Peak operating voltage:	max. 350 V
Voltage UL/CSA:	300 V
Testing voltage:	conductor/conductor: 1500 V conductor/shielding: 1200 V
Min. bending radius: <i>continuously flexing:</i>	7.5 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range: <i>static:</i> <i>flexing:</i>	DIN VDE UL/CSA: up to +80°C -30/+70°C +5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to UL FT1, CSA FT1, FT2
Oil resistance:	very good - oil rating 60°C acc. to UL 758
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Approvals:	UR AWM, CSA AWM, CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 26 AWG (≈ 18/38) • 0.14 mm ²				
7862602	2	0.197	5.0	21
7862603	3	0.205	5.2	22
7862604	4	0.220	5.6	26
7862605	5	0.236	6.0	30
7862607	7	0.268	6.8	38
7862610	10	0.303	7.7	46
7862614	14	0.350	8.9	59
7862618	18	0.358	9.1	69
7862625	25	0.441	11.2	99

item no.	no. of conductors	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 24 AWG (≈ 32/38) • 0.25 mm ²				
7862402	2	0.209	5.3	22
7862403	3	0.220	5.6	26
7862404	4	0.232	5.9	30
7862405	5	0.252	6.4	36
7862407	7	0.319	8.1	54
7862410	10	0.354	9.0	60
7862414	14	0.378	9.6	75
7862418	18	0.386	9.8	87
7862425	25	0.476	12.1	126

item no.	no. of conductors	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 22 AWG (≈ 42/38) • 0.34 mm ²				
7862202	2	0.217	5.5	24
7862203	3	0.228	5.8	28
7862204	4	0.244	6.2	34
7862205	5	0.260	6.6	40
7862207	7	0.299	7.6	49
7862210	10	0.370	9.4	82
7862214	14	0.394	10.0	103
7862218	18	0.413	10.5	108
7862225	25	0.500	12.7	144

Other dimensions and colors are available on request

US 2 color code:

#1- black, #2- white, #3- red, #4- green, #5- orange, #6- blue, #7- white-black, #8- red-black, #9- green-black, #10- orange-black, #11- blue-black, #12- black-white, #13- red-white, #14- green-white, #15- blue-white, #16- black-red, #17- white-red, #18- orange-red, #19- blue-red, #20- red-green, #21- orange-green, #22- black-white-red, #23- white-black-red, #24- red-black-white, #25- green-black-white



Possible on request:

- 20 AWG or 19 AWG
- with orange jacket and colored conductors acc. to DIN 47100