

Continuous Flex Cables for Track

SD 980 P

High speed continuous flex heavy duty halogen-free polyurethane data cable



300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for SD 980 P 77742625:

SAB BRÖCKSKES · D-VIERSEN · 77742501 25 x 0.14 mm² SD 980 P 26 AWG/25c 77742625 AWM Style 21198 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

B
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Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	TPE
Color code:	DIN 47100, see below
Stranding:	specially adjusted layering with netting tape over each layer and one additional non-woven tape over the outer layer
Jacket material:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
Jacket color:	grayish tan (RAL 7032)

Outstanding features:



- halogen-free
- free from paint wetting impairment substances (PWIS-free)
- flexible at low temperatures
- travel > 10 m is possible
- high abrasion resistance
- minimal bending radius

Technical data:

Peak operating voltage:	max. 350 V	
Voltage UL/CSA:	300 V	
Testing voltage:	conductor/conductor: 2000 V	
Min. bending radius:	7.5 x O.D.	
<i>continuously flexing:</i>		
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range:	DIN VDE	UL/CSA: up to +80°C
<i>static:</i>	-50/+90°C	
<i>flexing:</i>	-40/+90°C	
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, CSA FT1 (acc.to dimension), FT2	
Oil resistance:	very good - TPU acc. to IEC 50363-10-2 + VDE 0207-363-10-2	
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.	
Continuous flexibility:	very good	
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		cable weight
		±10% inch	±10% mm	≈lbs/mft
▶ 26 AWG (≈ 18/38) · 0.14 mm²				
77742603	3	0.150	3.8	11
77742604	4	0.161	4.1	13
77742605	5	0.177	4.5	15
77742607	7	0.193	4.9	19
77742610	10	0.220	5.6	24
77742614	14	0.236	6.0	30
77742618	18	0.260	6.6	36
77742625	25	0.299	7.6	48

item no.	no. of conductors	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
▶ 24 AWG (≈ 32/38) · 0.25 mm²				
77742403	3	0.165	4.2	14
77742404	4	0.173	4.4	17
77742405	5	0.189	4.8	20
77742407	7	0.213	5.4	25
77742410	10	0.244	6.2	33
77742414	14	0.260	6.6	42
77742418	18	0.287	7.3	52
77742425	25	0.339	8.6	69

item no.	no. of conductors	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
▶ 22 AWG (≈ 42/38) · 0.34 mm²				
77742203	3	0.173	4.4	16
77742204	4	0.185	4.7	19
77742205	5	0.205	5.2	24
77742207	7	0.228	5.8	30
77742210	10	0.260	6.6	40
77742214	14	0.280	7.1	50
77742218	18	0.307	7.8	62
77742225	25	0.362	9.2	83

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:

- colored conductors acc. to US 2
- 20 AWG & 19 AWG