

also available with orange jacket

CONTINUOUS FLEX CABLES



SD 960 P Continuous flex polyurethane data cable for small bending radius



Marking for SD 960 P 07762225: SAB BRÖCKSKES · D-VIERSEN ·

07762503 25 x 0.34 mm² SD 960 P 22 AWG/25c 07762225 AWM Style 20910 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

SD 960 P is a very flexible multi-conductor 80°C, 300 V cable designed for continuous flex applications. The special PUR jacket passes not only the stringent VDE test 0282 part 10 and HD 22.10 oil test providing the best oil resistance, but it also provides excellent chemical and abrasion resistance. The SD 960 P is designed for use on gantry robots, cable tracks, pick and place units, automated handling equipment, machine tools, conveyor systems and other continuous flexing applications in harsh environments.

**B
18**

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	acc. to color code US 2 see page O/26
Stranding:	specially adjusted layering with non-woven tape over each layer
Jacket material:	PU acc. to UL 758 with matte surface
Jacket color:	gray

Outstanding features:

- very good oil resistant
- very good chemical resistance
- high abrasion resistance
- very good flexibility

Technical data:

Peak operating voltage:	DIN VDE: max. 350 V UL/CSA: 300 V
Testing voltage U:	1500 V acc. to DIN VDE 0472 part 509
Min. bending radius continuous flexing:	7.5 x O.D.
Radiation resistance:	5 x 10 ² cJ/kg
Temperature range static flexing:	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 and FT2
Oil resistance:	very good - oil rating 60°C acc. to UL 758
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/29

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (≈ 18/38) • 0.14 mm²				
07762602	2	0.197	4.5	19
07762603	3	0.205	4.7	21
07762604	4	0.217	5.1	24
07762605	5	0.232	5.5	28
07762607	7	0.264	6.3	36
07762610	10	0.299	7.0	43
07762614	14	0.319	7.5	52
07762618	18	0.350	7.6	65
07762625	25	0.409	10.1	82

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 24 AWG (≈ 32/38) • 0.25 mm²				
07762402	2	0.209	4.8	22
07762403	3	0.217	5.1	25
07762404	4	0.232	5.4	29
07762405	5	0.248	5.9	34
07762407	7	0.283	6.8	45
07762410	10	0.323	7.6	54
07762414	14	0.346	8.2	67
07762418	18	0.382	9.3	84
07762425	25	0.445	11.4	108

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 22 AWG (≈ 42/38) • 0.34 mm²				
07762202	2	0.217	5.0	25
07762203	3	0.224	5.9	28
07762204	4	0.240	5.7	32
07762205	5	0.260	6.1	39
07762207	7	0.295	7.1	51
07762210	10	0.339	8.0	61
07762214	14	0.362	8.6	77
07762218	18	0.402	9.8	97
07762225	25	0.469	12.1	125

Other dimensions and colors are possible on request.

