

also available
with color code
acc. to US 2

CONTINUOUS FLEX CABLES

SD 970 HP High speed continuous flex heavy duty halogen free polyurethane data cable



Marking for SD 970 HP 07692625: BRÖCKSKES · D-VIERSEN ·
07692501 25 x 0,14 mm² SD 970 HP 26 AWG/25c 07692625 AWM Style 20233 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2

SD 970 HP is a continuous flex multi-conductor 80°C, 300 V cable designed specifically for the most stressful ultra high speed applications requiring a very small bending radius. The unique design allows this cable to excel in applications where ordinary flexing cables fail. The halogen free polyurethane jacket cable with colored conductors passes the stringent VDE test 0282 part 10 and HD 22.10 oil test and provides excellent resistance to chemicals and abrasion.

**B
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Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	TPE 531
Color code:	with reference to DIN 47100
Stranding:	specially adjusted layering with netting tape over each layer and one additional non-woven tape over the outer layer
Jacket material:	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Jacket color:	gray

Outstanding features:

- halogen-free
- labs uncritical
(labs = enamel moisturing interfering substances)
- flexible at low temperatures
- travel > 10 m is possible
- high abrasion resistance
- min. bending radius

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 ⁷ cJ/kg
Temperature range static flexing:	DIN VDE UL/CSA: up to +80°C -50/+90°C -40/+90°C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1 + CSA FT1 and FT2
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Continuous flexibility:	very good
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page M/25

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (18/38) • 0.14 mm²				
07692603	3	0.185	4.7	21
07692604	4	0.193	4.9	23
07692605	5	0.209	5.3	26
07692607	7	0.232	5.9	33
07692610	10	0.276	7.0	40
07692614	14	0.295	7.5	47
07692618	18	0.319	8.1	56
07692625	25	0.382	9.7	73

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 24 AWG (32/38) • 0.25 mm²				
07692403	3	0.197	5.0	25
07692404	4	0.209	5.3	28
07692405	5	0.224	5.7	32
07692407	7	0.252	6.4	40
07692410	10	0.299	7.6	50
07692414	14	0.319	8.1	61
07692418	18	0.350	8.9	74
07692425	25	0.417	10.6	97

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 22 AWG (42/38) • 0.34 mm²				
07692203	3	0.205	5.2	28
07692204	4	0.217	5.5	31
07692205	5	0.232	5.9	36
07692207	7	0.264	6.7	45
07692210	10	0.315	8.0	58
07692214	14	0.339	8.6	71
07692218	18	0.370	9.4	87
07692225	25	0.457	11.6	114

Other dimensions and colors are possible on request.

