

CONTINUOUS FLEX CABLES

also available
with color code
acc. to US 2



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



20233 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2

07792501 25 x 0,14 mm² SD 970 CHP 26 AWG/25c 07792625

Marking for SD 970 CHP 07792625: BRÖCKSKES · D-VIERSEN · AWM Style 20233 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2

SD 970 CHP is a continuous flex shielded 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. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

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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
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Jacket color:	gray

Outstanding features:

- **labs uncritical**
(labs = enamel moisturing interfering substances)
- **flexible at low temperatures**
- **halogen-free**
- **travel > 10 m is possible**
- **good EMC characteristics**
- **high abrasion resistance**

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 conductor/screen 1200 V
Min. bending radius <i>continuous 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 -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				
07792603	3	0.193	4.9	21
07792604	4	0.210	5.1	23
07792605	5	0.217	5.5	26
07792607	7	0.240	6.1	31
07792610	10	0.283	7.2	41
07792614	14	0.303	7.7	49
07792618	18	0.327	8.3	57
07792625	25	0.402	10.2	80

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 24 AWG (32/38) • 0.25 mm²				
07792403	3	0.205	5.2	24
07792404	4	0.217	5.5	27
07792405	5	0.232	5.9	32
07792407	7	0.260	6.6	38
07792410	10	0.307	7.8	51
07792414	14	0.327	8.3	63
07792418	18	0.366	9.3	78
07792425	25	0.461	11.7	120

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 22 AWG (42/38) • 0.34 mm²				
07792203	3	0.213	5.4	26
07792204	4	0.224	5.7	30
07792205	5	0.240	6.1	34
07792207	7	0.272	6.9	46
07792210	10	0.323	8.2	58
07792214	14	0.343	8.7	73
07792218	18	0.386	9.8	91
07792225	25	0.488	12.4	136

Other dimensions and colors are possible on request.

