

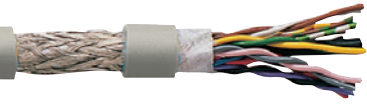
also available with color code acc. to US 3

CONTINUOUS FLEX CABLES

SD 970 CHP TP High speed continuous flex shielded twisted pairs heavy duty halogen free polyurethane control cable



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



Marking for SD 970 CHP TP 07812407: BRÖCKSKES · D-VIERSEN ·
07810725 7 x 2 x 0,25 mm² SD 970 CHP TP 24 AWG/7pr 07812407 AWM Style 20233 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2

SD 970 CHP TP 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:	conductors twisted to pairs, pairs twisted in 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 1200V
Min. bending radius continuous flexing:	7.5 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range static:	DIN VDE -50/+90°C UL/CSA: up to +80°C
flexing:	-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 pairs	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (18/38) • 0.14 mm ²				
07812603	3	0.260	6.6	32
07812604	4	0.291	7.4	38
07812605	5	0.311	7.9	43
07812607	7	0.331	8.4	51
07812610	10	0.398	10.1	71
07812614	14	0.476	12.1	104
07812618	18	0.508	12.9	122
07812625	25	0.606	15.4	175

item no.	no. of pairs	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 24 AWG (32/38) • 0.25 mm ²				
07812403	3	0.283	7.2	39
07812404	4	0.315	8.0	48
07812405	5	0.339	8.6	54
07812407	7	0.370	9.4	68
07812410	10	0.461	11.7	106
07812414	14	0.524	13.3	133
07812418	18	0.567	14.4	172
07812425	25	0.669	17.0	230

item no.	no. of pairs	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 22 AWG (42/38) • 0.34 mm ²				
07812203	3	0.295	7.5	43
07812204	4	0.335	8.5	53
07812205	5	0.366	9.3	64
07812207	7	0.390	9.9	78
07812210	10	0.484	12.3	120
07812214	14	0.579	14.7	171
07812218	18	0.614	15.6	202
07812225	25	0.709	18.0	263

Other dimensions and colors are possible on request.

