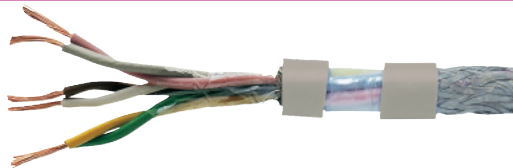


CONTINUOUS FLEX CABLES

also available
with color code
acc. to US 3



SD 980 CP TP High speed continuous flex twisted pairs heavy duty shielded halogen-free PUR control cable



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

Marking for SD 980 CP TP 77890725: SAB BRÖCKSKES · D-VIERSEN · 77890725 7 x 2 x 0.25 mm² SD 980 CP TP 24 AWG/7pr 77892407
AWM Style 21198 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

SD 980 CP TP is a continuous flex shielded multi-pair 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 PUR outer 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.

B
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Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	TPE
Color code:	with reference to DIN 47100, see page O/26
Stranding:	conductors twisted to pairs, pairs twisted in specially adjusted layering with non-woven 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 matte surface
Jacket color:	grayish tan

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 continuous flexing:	7.5 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range static flexing:	DIN VDE -50/+90°C UL/CSA: up to +80°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 + VDE 0482-332-1-2, CSA FT1 (acc. to dimensions), FT2
Oil resistance:	very good acc. to DIN VDE 0282 part 10 + HD 22.10
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Continuous flexibility:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

Outstanding features:

- free from paint wetting disruptive substances (LABS - free)
- flexible at low temperatures
- halogen-free
- travel > 10 m is possible
- good EMC characteristics
- high abrasion resistance

item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (≈ 18/38) • 0.14 mm² 77892602 2 0.201 5.1 23 77892603 3 0.220 5.6 26 77892604 4 0.248 6.3 32 77892605 5 0.264 6.7 36 77892607 7 0.283 7.2 43 77892610 10 0.331 8.4 56 77892614 14 0.366 9.3 71 77892618 18 0.406 10.3 91 77892625 25 0.461 11.7 117					▶ 22 AWG (≈ 42/38) • 0.34 mm² 77892202 2 0.232 5.9 32 77892203 3 0.256 6.5 40 77892204 4 0.291 7.4 48 77892205 5 0.311 7.9 54 77892207 7 0.335 8.5 66 77892210 10 0.390 9.9 87 77892214 14 0.457 11.6 125 77892218 18 0.492 12.5 150 77892225 25 0.579 14.7 215					▶ 19 AWG (≈ 42/34) • 0.75 mm² 77891902 2 0.303 7.7 53 77891903 3 0.346 8.8 66 77891904 4 0.390 9.9 81 77891905 5 0.437 11.1 108 77891907 7 0.469 11.9 127 77891910 10 0.579 14.7 204 77891914 14 0.681 17.3 271 77891918 18 0.732 18.6 327 77891925 25 0.894 22.7 473 Other dimensions and colors are possible on request.				
▶ 24 AWG (≈ 32/38) • 0.25 mm² 77892402 2 0.220 5.6 28 77892403 3 0.244 6.2 35 77892404 4 0.272 6.9 40 77892405 5 0.291 7.4 46 77892407 7 0.311 7.9 57 77892410 10 0.362 9.2 74 77892414 14 0.429 10.9 106 77892418 18 0.457 11.6 126 77892425 25 0.551 14.0 185					▶ 20 AWG (≈ 28/34) • 0.50 mm² 77892002 2 0.268 6.8 40 77892003 3 0.299 7.6 53 77892004 4 0.343 8.7 66 77892005 5 0.370 9.4 76 77892007 7 0.406 10.3 99 77892010 10 0.476 12.1 132 77892014 14 0.563 14.3 190 77892018 18 0.634 16.1 244 77892025 25 0.709 18.0 309									

