

CONTINUOUS FLEX CABLES

SD 965 CY Very flexible shielded continuous flex data cable for small bending radius



AWG/25c 07282425 AWM Style 21083 80°C

Marking for SD 965 CY 07282425:

SAB BRÖCKSKES · D-VIERSEN · 07282502 25 x 0,25 mm² SD 965 CY 24 AWG/25c 07282425 AWM Style 21083 80°C 300V CE

SD 965 CY is a very flexible, shielded multi-conductor 80°C, 300 V cable designed for continuous flex applications. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. The SD 965 CY is designed for use on cable tracks, pick and place units, automated handling equipment, machine tools, conveyor systems and other continuous flexing applications.

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 N/23
Stranding:	specially adjusted layering with non-woven tape over each layer
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PVC TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	black

Outstanding features:	
➤	very good EMC characteristics
➤	very good flexibility
➤	small bending radius
➤	oil resistant

Technical data:	
Peak operating voltage:	DIN VDE: max. 350 V UL: 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:	8 x 10 ⁷ cJ/kg
Temperature range static flexing:	DIN VDE UL: up to +80°C -30/+70°C -5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1
Oil resistance:	very good - TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 26 AWG (18/38) • 0.14 mm ²				
07282602	2	0.173	4.4	17
07282603	3	0.181	4.6	19
07282604	4	0.201	5.1	23
07282605	5	0.217	5.5	28
07282607	7	0.248	6.3	37
07282610	10	0.291	7.4	44
07282614	14	0.315	8.0	54
07282618	18	0.362	9.2	73
07282625	25	0.433	11.0	102

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 24 AWG (32/38) • 0.25 mm ²				
07282402	2	0.181	4.6	19
07282403	3	0.201	5.1	24
07282404	4	0.213	5.4	28
07282405	5	0.240	6.1	35
07282407	7	0.276	7.0	45
07282410	10	0.315	8.0	55
07282414	14	0.358	9.1	75
07282418	18	0.394	10.0	91
07282425	25	0.488	12.4	134

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 22 AWG (42/38) • 0.34 mm ²				
07282202	2	0.197	5.0	22
07282203	3	0.209	5.3	26
07282204	4	0.224	5.7	31
07282205	5	0.248	6.3	39
07282207	7	0.287	7.3	48
07282210	10	0.343	8.7	68
07282214	14	0.374	9.5	85
07282218	18	0.421	10.7	113
07282225	25	0.508	12.9	153

Other dimensions and colors are possible on request.