

CONTINUOUS FLEX CABLES

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



Marking for SD 965 CY 07272625:

SAB BRÖCKSKES · D-VIERSEN · 07272501 25 x 0,14 mm² SD 965 26 AWG/25c 07272625 UL AWM Style 21083 80°C 300V CE

SD 965 is a very flexible multi-conductor 80°C, 300 V cable designed for continuous flex applications. The SD 965 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
Jacket material:	PVC TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	black

Outstanding features:

- ▶ very good flexibility
- ▶ small bending radius
- ▶ reinforced outer jacket
- ▶ 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
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	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (18/38) • 0.14 mm ²				
07272602	2	0.154	3.9	11
07272603	3	0.161	4.1	14
07272604	4	0.177	4.5	16
07272605	5	0.193	4.9	20
07272607	7	0.224	5.7	28
07272610	10	0.264	6.7	33
07272614	14	0.283	7.2	42
07272618	18	0.323	8.2	56
07272625	25	0.398	10.1	78

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 24 AWG (32/38) • 0.25 mm ²				
07272402	2	0.165	4.2	15
07272403	3	0.177	4.5	17
07272404	4	0.189	4.8	21
07272405	5	0.209	5.3	26
07272407	7	0.248	6.3	36
07272410	10	0.287	7.3	44
07272414	14	0.319	8.1	58
07272418	18	0.354	9.0	74
07272425	25	0.433	11.0	102

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 22 AWG (42/38) • 0.34 mm ²				
07272202	2	0.173	4.4	17
07272203	3	0.185	4.7	20
07272204	4	0.201	5.1	24
07272205	5	0.217	5.5	30
07272207	7	0.260	6.6	41
07272210	10	0.311	7.9	53
07272214	14	0.335	8.5	69
07272218	18	0.374	9.5	87
07272225	25	0.461	11.7	120

Other dimensions and colors are possible on request.