

CONTINUOUS FLEX CABLES

SD 965 CY TP

Very flexible shielded twisted pairs continuous flex data cable for small bending radius



24 AWG/5pr 07292405 AWM Style 21083 80°C 3

Marking for SD 965 CY TP 07292405:

SAB BRÖCKSKES · D-VIERSEN · 07290525 5 x 2 x 0,25 mm² SD 965 CY TP 24 AWG/5pr 07292405 AWM Style 21083 80°C 300V

SD 965 CY TP 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.

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	PVC, T12 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	acc. to color code US 3 see page N/23
Stranding:	conductors twisted to pairs, pairs twisted in specially adjusted layering with non-woven tape over the outer layer
Screen:	tinned copper braiding
Jacket material:	PVC TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	black

Outstanding features:

- 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 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 -40/+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 pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (18/38) • 0.14 mm ²				
07292602	2	0.220	5.6	26
07292603	3	0.252	6.4	35
07292604	4	0.287	7.3	44
07292605	5	0.311	7.9	52
07292607	7	0.335	8.5	67
07292610	10	0.390	9.9	79
07292614	14	0.453	11.5	101
07292618	18	0.488	12.4	127
07292625	25	0.555	14.1	155

item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 24 AWG (32/38) • 0.25 mm ²				
07292402	2	0.248	6.3	36
07292403	3	0.272	6.9	42
07292404	4	0.311	7.9	52
07292405	5	0.339	8.6	63
07292407	7	0.362	9.2	82
07292410	10	0.425	10.8	100
07292414	14	0.496	12.6	132
07292418	18	0.535	13.6	163
07292425	25	0.618	15.7	217

item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 22 AWG (42/38) • 0.34 mm ²				
07292202	2	0.260	6.6	38
07292203	3	0.283	7.2	47
07292204	4	0.327	8.3	59
07292205	5	0.354	9.0	71
07292207	7	0.382	9.7	97
07292210	10	0.449	11.4	114
07292214	14	0.524	13.3	151
07292218	18	0.575	14.6	202
07292225	25	0.654	16.6	259

Other dimensions and colors are possible on request.