



## SD 965 CY Continuously flexible PVC data cable with coloured cores and overall copper screen



24 AWG/25c 07282425 AWM Style 21083 80°C

SAB BRÖCKSKES · D-VIERSEN · 07282502 25 x 0,25 mm<sup>2</sup> SD 965 CY 24 AWG/25c 07282425 AWM Style 21083 80°C 300V

Marking for SD 965 CY 07282502:

### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Colour code:</b>	with reference to colour code acc. to US 2 see page N/11
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Wrapping:</b>	non-woven tape
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	PVC, TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Sheath colour:</b>	black (RAL 9005)

### Outstanding features:

- very good EMC characteristics
- very good flexibility
- small bending radius
- oil resistant
- EAC approval

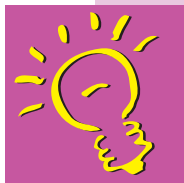
### Technical data:

<b>Peak operating voltage:</b>	DIN VDE: max. 350 V	
<b>Voltage:</b>	UL: 300 V	
<b>Testing voltage U:</b>	1500 V acc. to DIN VDE 0472 part 509 core/screen 1200 V	
<b>Min. bending radius</b> <i>continuously flexible:</i>	7,5 x d	
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b> <i>fixed laying:</i>	DIN VDE -30/+70°C	UL: up to +80°C
<i>flexible application:</i>	-5/+70°C	
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1	
<b>Oil resistance:</b>	very good - TM5 acc. to DIN VDE 0281 part 1 + HD 21.1	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17	

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
07280201	2 x 0,14	0,11	4,4	13,8	25
07280301	3 x 0,14	0,11	4,6	15,7	29
07280401	4 x 0,14	0,11	5,1	19,4	34
07280501	5 x 0,14	0,11	5,5	22,6	41
07280701	7 x 0,14	0,11	6,3	26,1	55
07281001	10 x 0,14	0,11	7,4	45,7	66
07281401	14 x 0,14	0,11	8,0	56,4	81
07281801	18 x 0,14	0,11	9,2	64,7	108
07282501	25 x 0,14	0,11	11,0	84,4	152
07280202	2 x 0,25	0,11	4,6	18,0	28
07280302	3 x 0,25	0,11	5,1	20,7	35
07280402	4 x 0,25	0,11	5,4	25,5	41
07280502	5 x 0,25	0,11	6,1	28,3	52
07280702	7 x 0,25	0,11	7,0	46,3	67

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
07281002	10 x 0,25	0,11	8,0	61,7	82
07281402	14 x 0,25	0,11	9,1	72,1	111
07281802	18 x 0,25	0,11	10,0	93,2	135
07282502	25 x 0,25	0,11	12,4	115,8	199
07280203	2 x 0,34	0,11	5,0	19,9	32
07280303	3 x 0,34	0,11	5,3	25,4	38
07280403	4 x 0,34	0,11	5,7	29,1	46
07280503	5 x 0,34	0,11	6,3	44,5	58
07280703	7 x 0,34	0,11	7,3	54,9	72
07281003	10 x 0,34	0,11	8,7	70,9	101
07281403	14 x 0,34	0,11	9,5	86,8	126
07281803	18 x 0,34	0,11	10,7	109,4	168
07282503	25 x 0,34	0,11	12,9	139,1	227

Other dimensions and colours are possible on request.



### Possible on request!

- in dimensions  
0,50 mm<sup>2</sup> and 0,75 mm<sup>2</sup>
- with grey outer sheath  
and coloured cores  
acc. to DIN 47100