



## SD 960 CY Continuously flexible PVC data cable with coloured cores and overall copper screen



24 AWG/25c 07852425 AWM Style 21083 80°C

SAB BRÖCKSKES · D-VIERSEN · 07852502 25 x 0,25 mm<sup>2</sup> SD 960 CY 24 AWG/25c 07852425 AWM Style 21083 80°C 300V

Marking for SD 960 CY 07852502:

### 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, TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Sheath colour:</b>	black (RAL 9005)

### 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 continuously flexible:</b>	7,5 x d	
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b>	<b>DIN VDE</b>	<b>UL:</b> up to +80°C
<i>fixed laying:</i>	-30/+70°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>	acc. to our internal standard see page N/15	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17	

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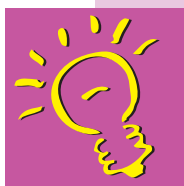
### Outstanding features:

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

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
07850201	2 x 0,14	0,11	4,5	13,8	26
07850301	3 x 0,14	0,11	4,7	15,7	30
07850401	4 x 0,14	0,11	5,2	19,4	35
07850501	5 x 0,14	0,11	5,6	22,6	42
07850701	7 x 0,14	0,11	6,4	26,1	56
07851001	10 x 0,14	0,11	7,5	45,7	67
07851401	14 x 0,14	0,11	8,5	56,4	89
07851801	18 x 0,14	0,11	9,3	64,7	109
07852501	25 x 0,14	0,11	11,0	84,4	149
07850202	2 x 0,25	0,11	4,9	18,0	30
07850302	3 x 0,25	0,11	5,2	20,7	36
07850402	4 x 0,25	0,11	5,5	25,5	42
07850502	5 x 0,25	0,11	6,2	28,3	53
07850702	7 x 0,25	0,11	7,1	46,3	64

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
07851002	10 x 0,25	0,11	8,5	61,7	90
07851402	14 x 0,25	0,11	9,2	72,1	112
07851802	18 x 0,25	0,11	10,1	93,2	137
07852502	25 x 0,25	0,11	12,5	115,8	200
07850203	2 x 0,34	0,11	5,1	19,9	33
07850303	3 x 0,34	0,11	5,4	25,4	39
07850403	4 x 0,34	0,11	5,8	29,1	46
07850503	5 x 0,34	0,11	6,4	44,5	59
07850703	7 x 0,34	0,11	7,4	54,9	73
07851003	10 x 0,34	0,11	8,8	70,9	102
07851403	14 x 0,34	0,11	9,6	86,8	128
07851803	18 x 0,34	0,11	10,8	109,4	169
07852503	25 x 0,34	0,11	13,0	139,1	228

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