

# Data & Sensor Cables

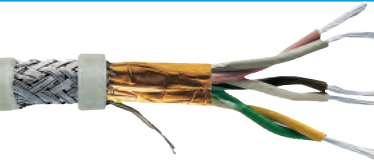
## DC 300 DS TP

Multi-pair double shielded PVC signal and control cable  
Type AWM

very good  
EMC

SAB Data

300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for DC 300 DS TP 3842203:

SAB BRÖCKSKES · D-VIERSEN · 3840322 DC 300 DS TP 22 AWG/3pr 3842203 AWM Style 2464 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to ASTM B 286
<b>Insulation:</b>	semi-rigid PVC
<b>Color code:</b>	color code US 3, see page O/27
<b>Stranding:</b>	conductors twisted to pairs, pairs twisted in layers
<b>Shielding:</b>	double shielding, Alu-foil, tinned copper braiding with tinned drain wire (0.22 mm <sup>2</sup> )
<b>Jacket material:</b>	PVC
<b>Jacket color:</b>	grayish tan (RAL 7032)

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V
<b>Voltage UL/CSA:</b>	300 V
<b>Testing voltage:</b>	conductor/conductor: 2000 V conductor/shielding: 2000 V
<b>Min. bending radius:</b>	<i>fixed installation:</i> 5 x O.D. <i>free movement:</i> 10 x O.D.
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range:</b>	<b>DIN VDE</b> -30/+70°C <i>static:</i> -5/+70°C <i>flexible:</i> <b>UL/CSA:</b> up to +80°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1, CSA FT1, FT2
<b>Oil resistance:</b>	acc. to internal standard, see page O/29
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

### Outstanding features:

- very good EMC characteristics
- small outer diameter
- small bending radius

item no.	no. of pairs	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
► <b>AWG 28/7</b>				
3842802	2	0.201	5.1	19
3842803	3	0.217	5.5	23
3842804	4	0.240	6.1	27
3842805	5	0.256	6.5	31
3842807	7	0.272	6.9	36
3842810	10	0.311	7.9	45
3842814	14	0.354	9.0	57
3842818	18	0.378	9.6	70
3842825	25	0.425	10.8	87
► <b>AWG 26/7</b>				
3842602	2	0.213	5.4	22
3842603	3	0.232	5.9	27
3842604	4	0.260	6.6	32
3842605	5	0.276	7.0	38
3842607	7	0.287	7.3	42
3842610	10	0.335	8.5	56
3842614	14	0.386	9.8	73
3842618	18	0.413	10.5	89
3842625	25	0.465	11.8	112

item no.	no. of pairs	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
► <b>AWG 24/7</b>				
3842402	2	0.228	5.8	26
3842403	3	0.248	6.3	32
3842404	4	0.280	7.1	39
3842405	5	0.299	7.6	46
3842407	7	0.311	7.9	54
3842410	10	0.362	9.2	71
3842414	14	0.421	10.7	94
3842418	18	0.453	11.5	116
3842425	25	0.508	12.9	148

item no.	no. of pairs	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
► <b>AWG 22/7</b>				
3842202	2	0.248	6.3	32
3842203	3	0.268	6.8	40
3842204	4	0.303	7.7	48
3842205	5	0.327	8.3	58
3842207	7	0.343	8.7	70
3842210	10	0.402	10.2	95
3842214	14	0.465	11.8	124
3842218	18	0.500	12.7	156
3842225	25	0.579	14.7	207

Other dimensions and colors are available on request