

# Data & Sensor Cables

## DC 300 DS

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



Marking for DC 300 DS 3242225:

SAB BRÖCKSKES · D-VIERSEN · 3242522 DC 300 DS 22 AWG/25c 3242225 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 2, see page O/27
<b>Stranding:</b>	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>	<b>UL/CSA:</b> up to +80°C
<i>static:</i>	-30/+70°C	
<i>flexible:</i>	-5/+70°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 conductors	nominal outer-ø ± 5% inch	nominal outer-ø ± 5% mm	cable weight ≈lbs/mft
<b>▶ AWG 28/7</b>				
3242802	2	0.169	4.3	14
3242803	3	0.173	4.4	16
3242804	4	0.181	4.6	17
3242805	5	0.193	4.9	20
3242807	7	0.201	5.1	23
3242810	10	0.236	6.0	29
3242812	12	0.244	6.2	32
3242814	14	0.252	6.4	34
3242818	18	0.272	6.9	41
3242825	25	0.311	7.9	50
<b>▶ AWG 26/7</b>				
3242602	2	0.177	4.5	16
3242603	3	0.181	4.6	17
3242604	4	0.193	4.9	20
3242605	5	0.201	5.1	24
3242607	7	0.213	5.4	26
3242610	10	0.252	6.4	34
3242612	12	0.260	6.6	38
3242614	14	0.268	6.8	41
3242618	18	0.291	7.4	50
3242625	25	0.335	8.5	63

item no.	no. of conductors	nominal outer-ø ± 5% inch	nominal outer-ø ± 5% mm	cable weight ≈lbs/mft
<b>▶ AWG 24/7</b>				
3242402	2	0.185	4.7	18
3242403	3	0.193	4.9	20
3242404	4	0.201	5.1	24
3242405	5	0.217	5.5	28
3242407	7	0.228	5.8	32
3242410	10	0.272	6.9	42
3242412	12	0.280	7.1	47
3242414	14	0.287	7.3	52
3242418	18	0.315	8.0	64
3242425	25	0.366	9.3	82

item no.	no. of conductors	nominal outer-ø ± 5% inch	nominal outer-ø ± 5% mm	cable weight ≈lbs/mft
<b>▶ AWG 22/7</b>				
3242202	2	0.197	5.0	21
3242203	3	0.205	5.2	25
3242204	4	0.217	5.5	28
3242205	5	0.232	5.9	34
3242207	7	0.248	6.3	40
3242210	10	0.295	7.5	54
3242212	12	0.303	7.7	60
3242214	14	0.315	8.0	67
3242218	18	0.346	8.8	83
3242225	25	0.406	10.3	110

Other dimensions and colors are available on request