DC 300 DS

Multi-conductor double shielded PVC signal and control cable with colored conductors, tinned copper braiding and drain wire, Type AWM -300V, +80°C



Marking for DC 300 DS 3242225:
SAB BRÖCKSKES · D-VIERSEN · 3242225 DC 300 DS 22 AWG/25c 03242522 AWM Style 2464 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2

Construction:

Conductor:	tinned copper strands acc. to ASTM B 286
Insulation:	semi-rigid PVC
Color code:	US 2, see below
Stranding:	in layers
Shielding:	triple shielding: alu. foil, tinned copper braiding with tinned drain wire (0.22 mm²)
Jacket material:	PVC
Jacket color:	grayish tan (RAL 7032)

Outstanding Features:

- **Very good EMC characteristics**
- **Small outer diameter**
- **Small bending radius**
- **PFAS free**

Technical Data:

Peak operating voltage:	max. 350 V
Voltage UR/CSA:	300 V
Testing voltage:	conductor/conductor: 2000 V conductor/shielding: 2000 V
Min. bending radius: *fixed installation:* *free movement:*	 5 x O.D. 10 x O.D.
Radiation resistance:	8 x 10^7 cJ/kg
Temperature range: *static:* *flexing:*	**DIN VDE:** **UR/CSA:** up to +80°C -30/+70°C -5/+70°C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 UL VW-1, CSA FT1, FT2
Oil resistance:	acc. to internal standard, see page P/11
For flexible application:	very good
Application in track:	not recommended
Approvals:	UR AWM, CSA AWM, CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page P/46

part number	no. of conductors	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
28 AWG (7 stands)				
3242802	2	0.169	4.3	18
3242803	3	0.173	4.4	19
3242804	4	0.181	4.6	21
3242805	5	0.193	4.9	23
3242807	7	0.201	5.1	27
3242810	10	0.240	6.1	33
3242812	12	0.244	6.2	35
3242814	14	0.252	6.4	40
3242818	18	0.272	6.9	45
3242825	25	0.311	7.9	58
26 AWG (7 stands)				
3242602	2	0.177	4.5	19
3242603	3	0.181	4.6	21
3242604	4	0.193	4.9	23
3242605	5	0.205	5.2	27
3242607	7	0.213	5.4	30
3242610	10	0.256	6.5	39
3242612	12	0.260	6.6	41
3242614	14	0.268	6.8	46
3242618	18	0.291	7.4	54
3242625	25	0.335	8.5	68

part number	no. of conductors	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
24 AWG (7 stands)				
3242402	2	0.185	4.7	21
3242403	3	0.193	4.9	23
3242404	4	0.205	5.2	28
3242405	5	0.217	5.5	31
3242407	7	0.228	5.8	35
3242410	10	0.272	6.9	47
3242412	12	0.280	7.1	52
3242414	14	0.291	7.4	57
3242418	18	0.315	8.0	69
3242425	25	0.366	9.3	87

part number	no. of conductors	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
22 AWG (7 stands)				
3242202	2	0.197	5.0	24
3242203	3	0.205	5.2	29
3242204	4	0.217	5.5	33
3242205	5	0.232	5.9	37
3242207	7	0.248	6.3	44
3242210	10	0.295	7.5	59
3242212	12	0.303	7.7	65
3242214	14	0.315	8.0	72
3242218	18	0.346	8.8	87
3242225	25	0.406	10.3	114

Other dimensions and colors are available on request.

US 2 color code:

#1- black | #2- white | #3- red | #4- green | #5- orange | #6- blue | #7- white-black | #8- red-black | #9- green-black | #10- orange-black | #11- blue-black | #12- black-white | #13- red-white | #14- green-white | #15- blue-white | #16- black-red | #17- white-red | #18- orange-red | #19- blue-red | #20- red-green | #21- orange-green | #22 -black-white-red | #23- white-black-red | #24- red-black-white | #25- green-black-white

Product highlight:

» very good EMC