

Data & Sensor Cables

DC 300 DS

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

very good
EMC

SAB Data

AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for DC 300 DS 03242225:

SAB BRÜCKSKES · D-VIERSEN · 03242522 DC 300 DS 22 AWG/25c 03242225

AWM Style 2464 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

Construction:

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

Outstanding features:

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

Technical data:

Peak operating voltage:	max. 350 V
Voltage UL/CSA:	300 V
Testing voltage:	conductor/conductor: 2000 V conductor/shielding: 2000 V
Min. bending radius:	fixed installation: 5 x O.D. free movement: 10 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range:	DIN VDE UL/CSA: up to +80°C static: -30/+70°C flexible: -5/+70°C
Burning characteristics:	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 O/29
Approvals:	UL AWM, CSA AWM, CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ AWG 28/7				
03242802	2	0.169	4.3	14
03242803	3	0.173	4.4	16
03242804	4	0.181	4.6	17
03242805	5	0.193	4.9	20
03242807	7	0.201	5.1	23
03242810	10	0.236	6.0	29
03242812	12	0.244	6.2	32
03242814	14	0.252	6.4	34
03242818	18	0.272	6.9	41
03242825	25	0.311	7.9	50
▶ AWG 26/7				
03242602	2	0.177	4.5	16
03242603	3	0.181	4.6	17
03242604	4	0.193	4.9	20
03242605	5	0.201	5.1	24
03242607	7	0.213	5.4	26
03242610	10	0.252	6.4	34
03242612	12	0.260	6.6	38
03242614	14	0.268	6.8	41
03242618	18	0.291	7.4	50
03242625	25	0.335	8.5	63

item no.	no. of conductors	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ AWG 24/7				
03242402	2	0.185	4.7	18
03242403	3	0.193	4.9	20
03242404	4	0.201	5.1	24
03242405	5	0.217	5.5	28
03242407	7	0.228	5.8	32
03242410	10	0.272	6.9	42
03242412	12	0.280	7.1	47
03242414	14	0.287	7.3	52
03242418	18	0.315	8.0	64
03242425	25	0.366	9.3	82

item no.	no. of conductors	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ AWG 22/7				
03242202	2	0.197	5.0	21
03242203	3	0.205	5.2	25
03242204	4	0.217	5.5	28
03242205	5	0.232	5.9	34
03242207	7	0.248	6.3	40
03242210	10	0.295	7.5	54
03242212	12	0.303	7.7	60
03242214	14	0.315	8.0	67
03242218	18	0.346	8.8	83
03242225	25	0.406	10.3	110

Other dimensions and colors are available on request