

Data & Sensor Cables

DC 300 DS TP

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



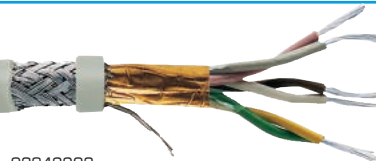
300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for DC 300 DS TP 03842203:

SAB BRÖCKSKES · D-VIERSEN · 03840322 DC 300 DS TP 22 AWG/3pr 03842203

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 3, see page O/27
Stranding:	conductors twisted to pairs, pairs twisted 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)

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:	<i>fixed installation:</i> 5 x O.D. <i>free movement:</i> 10 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range:	DIN VDE UL/CSA: up to +80°C <i>static:</i> -30/+70°C <i>flexible:</i> -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

Outstanding features:

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

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item no.	no. of pairs	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ AWG 28/7				
03842802	2	0.201	5.1	19
03842803	3	0.217	5.5	23
03842804	4	0.240	6.1	27
03842805	5	0.256	6.5	31
03842807	7	0.272	6.9	36
03842810	10	0.311	7.9	45
03842814	14	0.354	9.0	57
03842818	18	0.378	9.6	70
03842825	25	0.425	10.8	87
▶ AWG 26/7				
03842602	2	0.213	5.4	22
03842603	3	0.232	5.9	27
03842604	4	0.260	6.6	32
03842605	5	0.276	7.0	38
03842607	7	0.287	7.3	42
03842610	10	0.335	8.5	56
03842614	14	0.386	9.8	73
03842618	18	0.413	10.5	89
03842625	25	0.465	11.8	112

item no.	no. of pairs	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ AWG 24/7				
03842402	2	0.228	5.8	26
03842403	3	0.248	6.3	32
03842404	4	0.280	7.1	39
03842405	5	0.299	7.6	46
03842407	7	0.311	7.9	54
03842410	10	0.362	9.2	71
03842414	14	0.421	10.7	94
03842418	18	0.453	11.5	116
03842425	25	0.508	12.9	148

item no.	no. of pairs	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ AWG 22/7				
03842202	2	0.248	6.3	32
03842203	3	0.268	6.8	40
03842204	4	0.303	7.7	48
03842205	5	0.327	8.3	58
03842207	7	0.343	8.7	70
03842210	10	0.402	10.2	95
03842214	14	0.465	11.8	124
03842218	18	0.500	12.7	156
03842225	25	0.579	14.7	207

Other dimensions and colors are available on request