

Data Cables

DC 300 DS

semi rigid PVC data cable with double screen



AWM I/II A/B 80°C 300V FT1 FT2 CE



marking example:

SAB BRÖCKSKES · 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:	bare copper strands acc. to ASTM B 286
Insulation:	semi-rigid PVC
Colour code:	acc. to colour code US 2, see chapter N „Technical data“
Stranding:	in layers
Screen:	double screen, alu foil, tinned copper braiding with tinned drain wire (0,22 mm ²)
Sheath material:	PVC
Sheath colour:	grey (RAL 7032)

Technical data:

Peak operating voltage:	max. 350 V	
Voltage UL/CSA:	300 V	
Testing voltage:	core/core	2000 V
	core/screen	2000 V
Min. bending radius		
<i>fixed laying:</i>	5 x d	
<i>flexible application:</i>	10 x d	
Radiation resistance:	8 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/CSA: up to +80 °C
<i>fixed laying:</i>	-30/+70 °C	
<i>flexible application:</i>	-5/+70 °C	
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW1, CSA FT1, FT2	
Oil resistance:	acc. to internal standard, see chapter N „Technical data“	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

Outstanding features:

- » very good EMC characteristic
- » small outer diameter
- » small bending radius
- » PFAS free

item no.	no. of cores x cross section n x AWG	outer-Ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
03240228	2 x 28	4,3	14,2	26
03240328	3 x 28	4,4	15,1	28
03240428	4 x 28	4,6	16,0	31
03240528	5 x 28	4,9	17,1	33
03240728	7 x 28	5,1	22,4	39
03241028	10 x 28	6,1	27,1	49
03241228	12 x 28	6,2	29,0	52
03241428	14 x 28	6,4	30,8	59
03241828	18 x 28	6,9	36,1	66
03242528	25 x 28	7,9	46,1	85
03240226	2 x 26	4,5	15,4	28
03240326	3 x 26	4,6	16,7	30
03240426	4 x 26	4,9	18,2	34
03240526	5 x 26	5,2	23,0	39
03240726	7 x 26	5,4	26,0	44
03241026	10 x 26	6,5	32,3	57
03241226	12 x 26	6,6	35,1	61
03241426	14 x 26	6,8	39,5	67
03241826	18 x 26	7,4	47,1	80
03242526	25 x 26	8,5	61,0	101

item no.	no. of cores x cross section n x AWG	outer-Ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
03240224	2 x 24	4,7	16,9	31
03240324	3 x 24	4,9	19,3	34
03240424	4 x 24	5,2	24,8	41
03240524	5 x 24	5,5	27,1	46
03240724	7 x 24	5,8	31,7	52
03241024	10 x 24	6,9	41,9	69
03241224	12 x 24	7,1	48,2	76
03241424	14 x 24	7,4	52,7	84
03241824	18 x 24	8,0	66,0	102
03242524	25 x 24	9,3	83,5	128
03240222	2 x 22	5,0	19,4	35
03240322	3 x 22	5,2	26,2	42
03240422	4 x 22	5,5	29,7	48
03240522	5 x 22	5,9	33,3	54
03240722	7 x 22	6,3	42,0	65
03241022	10 x 22	7,5	55,9	87
03241222	12 x 22	7,7	64,4	96
03241422	14 x 22	8,0	71,3	106
03241822	18 x 22	8,8	89,5	129
03242522	25 x 22	10,3	109,5	169

Other dimensions and colours are possible on request.