

# Tray & VFD Cables

## DC 105

Semi-rigid PVC data cable  
Type PLTC, ITC, and CMG



(DC 105) - CSA TYPE CMG or AWM I/II A/B 105°C 300V FT4



Marking for DC 105 DC3332203: SAB North America P/N DC3332203  
22AWG/3c (UL) TYPE PLTC or ITC or CMG 105°C (DC 105) - CSA TYPE CMG or AWM I/II A/B 105°C 300V FT4 RoHS CE

### Construction:

<b>Conductor:</b>	tinned copper strands
<b>Insulation:</b> 26 - 20 AWG: 18 - 16 AWG:	semi-rigid PVC PVC/nylon
<b>Color code:</b> 26 - 24 AWG: 22 AWG: 20 - 16 AWG:	color code, chart 2, see page O/27 color code, chart 4, see page O/28 color code chart 6, page O/28
<b>Stranding:</b>	twisted together in layers with non-wicking fillers
<b>Jacket material:</b>	PVC
<b>Jacket color:</b>	grayish tan (RAL 7032)

### Technical data:

<b>Nominal voltage:</b>	300 V
<b>Testing voltage:</b>	2000 V
<b>Min. bending radius:</b> <i>fixed installation:</i>	4 x O.D.
<b>Temperature range:</b>	-25/+ 105°C
<b>Approvals:</b>	<b>UL:</b> CMG (26-16 AWG) PLTC & ITC (22 - 20 AWG) PLTC-ER & ITC-ER (18 - 16 AWG) <b>CSA:</b> CMG/FT4 AWM I/II A/B CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

#### Color Code Chart 2:

no.	Conductor color	no.	Conductor color
1	black	14	green/white
2	white	15	blue/white
3	red	16	black/red
4	green	17	white/red
5	orange	18	orange/red
6	blue	19	blue/red
7	white/black	20	red/green
8	red/black	21	orange/green
9	green/black	22	black/white/red
10	orange/black	23	white/black/red
11	blue/black	24	red/black/white
12	black/white	25	green/black/white
13	red/white		

#### Color Code Chart 4:

no.	Conductor color	no.	Conductor color
1	black	14	white/orange
2	brown	15	white/yellow
3	red	16	white/green
4	orange	17	white/blue
5	yellow	18	white/violet
6	green	19	white/gray
7	blue	20	white/black/brown
8	violet	21	white/black/red
9	gray	22	white/black/orange
10	white	23	white/black/yellow
11	white/black	24	white/black/green
12	white/brown	25	white/black/blue
13	white/red		

#### Color Code Chart 6:

no.	Conductor color	no.	Conductor color
1	black	14	red/yellow
2	red	15	red/black
3	white	16	white/black
4	green	17	white/red
5	orange	18	white/green
6	blue	19	white/yellow
7	brown	20	white/blue
8	yellow	21	white/brown
9	violet	22	white/orange
10	gray	23	white/gray
11	pink	24	white/violet
12	tan	25	white/black/red
13	red/green		

item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈lbs/mft
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#### ▶ 26 AWG (7/34)

DC3222603	3	0.156	4.0	18
DC3222604	4	0.166	4.2	20
DC3222606	6	0.189	4.8	25
DC3222607	7	0.192	4.9	26
DC3222608	8	0.204	5.2	28
DC3222610	10	0.230	5.8	36
DC3222615	15	0.261	6.6	48
DC3222620	20	0.295	7.5	58
DC3222625	25	0.323	8.2	70

#### ▶ 24 AWG (7/32)

DC3222402	2	0.160	4.1	20
DC3222403	3	0.167	4.2	23
DC3222404	4	0.182	4.6	24
DC3222405	5	0.191	4.9	27
DC3222406	6	0.204	5.2	30
DC3222407	7	0.207	5.3	31
DC3222408	8	0.220	5.6	35
DC3222410	10	0.249	6.3	43
DC3222412	12	0.256	6.5	49
DC3222415	15	0.283	7.2	59
DC3222418	18	0.303	7.7	65
DC3222420	20	0.311	7.9	70
DC3222425	25	0.343	8.7	86

#### ▶ 22 AWG (7/30)

DC3332202	2	0.178	4.5	22
DC3332203	3	0.190	4.8	25
DC3332204	4	0.202	5.1	29
DC3332205	5	0.213	5.4	34
DC3332206	6	0.228	5.8	40
DC3332207	7	0.231	5.9	41
DC3332208	8	0.244	6.2	46
DC3332209	9	0.261	6.6	53
DC3332210	10	0.289	7.3	60
DC3332212	12	0.297	7.5	67
DC3332215	15	0.317	8.1	79
DC3332218	18	0.339	8.6	87
DC3332220	20	0.348	8.8	94
DC3332225	25	0.385	9.8	117
DC3332230	30	0.430	10.9	143
DC3332240	40	0.475	12.1	184
DC3332250	50	0.517	13.1	221

item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈lbs/mft
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#### ▶ 20 AWG (≈ 19/32)

DC3332002	2	0.196	5.0	29
DC3332003	3	0.205	5.2	35
DC3332004	4	0.220	5.6	42
DC3332006	6	0.254	6.5	55
DC3332007	7	0.254	6.5	52
DC3332008	8	0.275	7.0	62
DC3332009	9	0.303	7.7	74
DC3332010	10	0.325	8.3	80
DC3332012	12	0.335	8.5	92
DC3332015	15	0.358	9.1	110
DC3332020	20	0.415	10.5	143
DC3332025	25	0.459	11.7	184

#### ▶ 18 AWG (19/30)

DC3331802	2	0.276	7.0	45
DC3331803	3	0.29	7.4	58
DC3331804	4	0.313	8.0	70
DC3331805	5	0.339	8.6	78
DC3331806	6	0.366	9.3	91
DC3331807	7	0.367	9.3	98
DC3331808	8	0.395	10.0	110
DC3331809	9	0.423	10.7	124
DC3331810	10	0.457	11.6	144
DC3331812	12	0.472	12.0	164
DC3331815	15	0.507	12.9	194
DC3331818	18	0.579	14.7	244
DC3331820	20	0.595	15.1	263
DC3331825	25	0.662	16.8	325
DC3331850	50	0.904	23.0	621

#### ▶ 16 AWG (26/30)

DC3331602	2	0.296	7.5	54
DC3331603	3	0.312	7.9	68
DC3331604	4	0.337	8.6	83
DC3331605	5	0.366	9.3	95
DC3331606	6	0.396	10.1	109
DC3331607	7	0.397	10.1	119
DC3331608	8	0.428	10.9	134
DC3331609	9	0.459	11.7	160
DC3331610	10	0.497	12.6	174
DC3331612	12	0.513	13.0	199
DC3331615	15	0.584	14.8	261
DC3331618	18	0.629	16.0	297
DC3331620	20	0.647	16.4	330
DC3331625	25	0.721	18.3	400

Other dimensions and colors are available on request