

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:

| | |
|---|---|
| Conductor: | tinned copper strands |
| Color code: 26 - 20 AWG: 18 - 16 AWG: | semi-rigid PVC PVC/nylon |
| Color code: 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 |
| Stranding: | twisted together in layers with non-wicking fillers |
| Jacket material: | PVC |
| Jacket color: | grayish tan (RAL 7032) |

Technical data:

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

