

very good
EMC

DATA CABLES



DC 300 DS TP Multipair double shielded PVC signal and control cable



Marking for DC 300 DS TP 03842603:

SAB BRÖCKSKES · D-VIERSEN · 03840326 DC 300 DS TP 26 AWG/3pr 03842603 AWM Style 2464 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

DC 300 DS TP is a double shielded UL/CSA approved multipair signal and control cable for use in American designed computer, data transmission and office equipment, process control and instrumentation.

Construction:

| | |
|-------------------------|---|
| Conductor: | tinned copper strands acc. to ASTM B 286 |
| Insulation: | semi-rigid PVC |
| Color code: | color code US 3 see page N/23 |
| Stranding: | conductors twisted to pairs, pairs twisted in layers |
| Screen: | double screen, Alu-foil, tinned copper braiding with tinned drain wire (AWG 24/7) |
| Jacket material: | PVC, YM1 acc. to DIN VDE 0207 part 5 |
| Jacket color: | gray |

Outstanding features:

- ▶ very good EMC characteristic
- ▶ small outer diameter
- ▶ small bending radius

Technical data:

| | | |
|---------------------------------------|---|----------------------|
| Voltage: | UL/CSA: 300 V | |
| Peak operating voltage: | max. 350 V | |
| Testing voltage: | 800 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 | | |
| <i>static:</i> | -30/+70 °C | UL/CSA: up to +80 °C |
| <i>flexing:</i> | -5/+70 °C | up to +80 °C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW1, CSA FT1, FT2 | |
| Oil resistance: | acc. to internal standard, see page N/25 | |
| Absence of harmful substances: | acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25 | |

| item no. | no. of pairs | nominal outer-ø inch | 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 |
| 03842809 | 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 |
| 03842609 | 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 inch | 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 |
| 03842409 | 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 inch | 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 |
| 03842209 | 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 possible on request.