

Servo Motor Cables

SL 834 C

low capacity PUR motor connection cable with overall copper screen 0.6/1 kV



20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE



marking example:

SAB BBRÖCKSKES · D-VIERSEN · 08340415 4x1,5mm² SL 834 C 16 AWG/4c 1000V 08341604

DESINA AWM Style 20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

Construction:

| | |
|-------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, VDE 0295, class 6 |
| Insulation: | special polymer |
| Colour code: | black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green-yellow earth wire |
| Stranding: | in layers |
| Wrapping: | non-woven tape |
| Screen: | tinned copper braiding |
| Sheath material: | PUR |
| Sheath colour: | orange (RAL 2003) |

Technical data:

| | | |
|---------------------------------------|---|----------------------|
| Nominal voltage: | U ₀ /U 0.6/1 kV | |
| Voltage UL/CSA: | 1000 V | |
| Testing voltage: | core/core | 4000 V |
| | core/screen | 4000 V |
| Min. bending radius | | |
| <i>fixed laying:</i> | 5 x d | |
| <i>flexible application:</i> | 10 x d | |
| Temperature range | DIN VDE | UL/CSA: up to +80 °C |
| <i>fixed laying:</i> | -50/+90 °C | |
| <i>flexible application:</i> | -40/+90 °C | |
| Halogen-free: | acc. to IEC 60754-1 + VDE 0482-754-1 | |
| Fire performance: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, CSA FT1, FT2 | |
| Oil resistance: | very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 | |
| Chem. resistance: | good against acids, alkalines, solvents, hydraulic liquids etc. | |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see chapter N „Technical data“ | |

Outstanding features:

- » UL recognized, CSA approval
- » low capacity construction
- » very good EMC characteristics
- » halogen-free
- » very high flexibility
- » suitable for cable tracks
- » very good oil resistance
- » very long service life
- » adhesion-free installation
- » PWIS uncritical
(PWIS = paint-wetting impairment substances)
- » flexible at low temperatures
- » DESINA® colours (see page C/4)

low capacity
for your frequency controlled
drives and motors

| item no. | no. of cores x cross section n x mm ² | AWG | largest single wire ø mm | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|-------|--------------------------------|------------------------|---------------------------|----------------------------|
| 08340415 | 4 x 1,50 | 16/4c | 0,16 | 9,0 | 83,5 | 126 |
| 08340425 | 4 x 2,50 | 14/4c | 0,16 | 10,8 | 142,5 | 195 |
| 08340440 | 4 x 4,00 | 12/4c | 0,16 | 12,4 | 206,5 | 270 |
| 08340460 | 4 x 6,00 | 10/4c | 0,21 | 15,4 | 298,1 | 398 |
| 08340470 | 4 x 10,00 | 8/4c | 0,21 | 17,6 | 494,7 | 604 |
| 08340480 | 4 x 16,00 | 6/4c | 0,21 | 22,7 | 749,7 | 953 |
| 08340490 | 4 x 25,00 | 4/4c | 0,21 | 25,6 | 1119,8 | 1303 |
| 08340495 | 4 x 35,00 | 2/4c | 0,21 | 28,9 | 1532,9 | 1750 |
| 08340496 | 4 x 50,00 | 1/4c | 0,31 | 34,5 | 2144,5 | 2486 |

Other dimensions and colours are possible on request.

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