

Servo Motor Cables

SL 891 C

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



21223 I/II A/B 80°C 1000V FT1 FT2 E172204 CE



marking example:

SAB BRÜCKSKES · D-VIERSEN · 0891-1415 SL 891 C 4x1,5mm²+(2x1,5mm²) cULus AWM Style 21223 I/II A/B 80°C 1000V FT1 FT2 E172204 CE

| Construction: | |
|-------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, VDE 0295, class 6 |
| Insulation: | SABIX® |
| Colour code: | Bosch Rexroth supply cores: black, number coded 1-3 and a green-yellow earth wire, control cores: black, number coded 5-8 Siemens supply cores: core 1: black, (U/L1/C/L+) core 2: black, (V/L2) core 3: black, (W/L3/D/L-) and a green-yellow earth wire control cores: black BR1, white BR2 |
| Stranding: | control cores: twisted to pairs |
| Wrapping: | control cores: alu-foil |
| Screen: | control cores: wrapped with tinned copper braiding |
| Wrapping: | control cores: foil |
| Stranding: | screened control pairs and supply cores twisted together with fillers in layers |
| Wrapping: | non-woven tape |
| Screen: | tinned copper braiding |
| Wrapping: | non-woven tape |
| Sheath material: | PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with mat surface |
| Sheath colour: | orange (RAL 2003) |

| Technical Data: | |
|---------------------------------------|---|
| Nominal voltage: | supply cores U _o /U 0.6/1 kV |
| Peak operating voltage: | control cores max. 350 V |
| Voltage cULus: | 1000 V |
| Testing voltage: | supply cores core/core 4000 V core/screen 4000 V control cores core/core 2000 V core/screen 2000 V |
| Min. bending radius | |
| <i>fixed laying:</i> | 4 x d |
| <i>flexible application:</i> | 7,5 x d |
| Temperature range | DIN VDE cULus: 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, cUL 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. |
| Weather resistance: | very good |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see chapter N „Technical data“ |

Outstanding features:

- » low capacity construction
- » cULus recognized
- » very good EMC characteristics
- » long service life
- » adhesion-free installation
- » high flexibility
- » suitable for cable tracks
- » halogen-free
- » very good oil resistance
- » PWIS uncritical
(PWIS = paint-wetting impairment substance)
- » flexible at low temperatures
- » PFAS free
- » DESINA® colours (see page C/3)

| item no. | dimension | outer-ø ± 0,80 mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|-------------------------------------|----------------------|---------------------------|----------------------------|
| 08910415 | 4 x 1,50 + 2 x (2 x 0,75) | 11,4 | 166,5 | 211 |
| 08910425 | 4 x 2,50 + 2 x (2 x 1,00) | 13,1 | 225,2 | 276 |
| 08910441 | 4 x 4,00 + (2 x 1,00) + (2 x 1,50) | 15,0 | 303,2 | 373 |
| 08910461 | 4 x 6,00 + (2 x 1,00) + (2 x 1,50) | 17,1 | 422,9 | 497 |
| 08910471 | 4 x 10,00 + (2 x 1,00) + (2 x 1,50) | 19,3 | 581,3 | 692 |
| 08910485 | 4 x 16,00 + 2 x (2 x 1,50) | 22,9 | 860,1 | 1012 |
| 08910490 | 4 x 25,00 + 2 x (2 x 1,50) | 28,2 | 1240,8 | 1447 |
| 08911410 | 4 x 1,00 + (2 x 0,50) | 9,0 | 88,2 | 120 |
| 08911415 | 4 x 1,50 + (2 x 1,50) | 10,7 | 150,5 | 189 |
| 08911416 | 4 x 1,50 + (2 x 0,50) | 9,5 | 108,0 | 142 |
| 08911425 | 4 x 2,50 + (2 x 1,50) | 12,2 | 195,5 | 244 |
| 08911440 | 4 x 4,00 + (2 x 1,50) | 13,6 | 262,1 | 317 |
| 08911460 | 4 x 6,00 + (2 x 1,50) | 16,3 | 376,8 | 450 |
| 08911470 | 4 x 10,00 + (2 x 1,50) | 18,5 | 544,0 | 657 |
| 08911480 | 4 x 16,00 + (2 x 1,50) | 22,1 | 797,1 | 946 |
| 08911490 | 4 x 25,00 + (2 x 1,50) | 26,2 | 1170,6 | 1354 |
| 08911495 | 4 x 35,00 + (2 x 1,50) | 31,7 | 1593,3 | 1872 |
| 08911496 | 4 x 50,00 + (2 x 1,50) | 35,0 | 2194,6 | 2527 |

Other dimensions and colours are possible on request.

low capacity solution
for your servo drive system

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