

Servo Motor Cables

SL 810

PVC motor connection cable 0.6/1 kV

SL 812 C

PVC motor connection cable with overall copper screen 0.6/1 kV

0.6/1 kV

SAB Servo



SCM D-VIERSEN · SL 810 0,6/1 kV 5 x 1,5 mm² CE

Marking for SL 810 08100515:

SAB BRÜCKSKES · D-VIERSEN · SL 810 0,6/1 kV 5 x 1,5 mm² CE

SCM D-VIERSEN · SL 812 C 0,6/1 kV 5 x 1,5 mm² CE

Marking for SL 812 C 08120515:

SAB BRÜCKSKES · D-VIERSEN · SL 812 C 0,6/1 kV 5 x 1,5 mm² CE

C
12

Construction:

| | |
|-------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, VDE 0295, class 5 |
| Insulation: | PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3 |
| Colour code: | black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 cores |
| Stranding: | in layers |
| Sheath material: | PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1 |
| Sheath colour: | grey (RAL 7000) |
| SL 812 C: | PVC inner sheath over the stranding tinned copper braiding, PVC outer sheath in grey (RAL 7000) |

Outstanding features:



- high functionality
- good handling
- SL 812 C: very good EMC characteristics

Technical data:

| | | |
|---------------------------------------|--|-----------------|
| Nominal voltage: | U ₀ /U 0.6/1 kV | |
| Testing voltage | | |
| SL 810: | core/core | 4000 V |
| SL 812 C: | core/core | 4000 V |
| | core/screen | 4000 V |
| Min. bending radius | SL 810 | SL 812 C |
| <i>fixed laying:</i> | 4 x d | 5 x d |
| <i>flexible application:</i> | 6 x d | 10 x d |
| Radiation resistance: | 8 x 10 ⁷ cJ/kg | |
| Temperature range | | |
| <i>fixed laying:</i> | -40/+70 °C | |
| <i>flexible application:</i> | +5/+70 °C | |
| Oil resistance: | acc. to internal standard, see chapter N „Technical Data“ | |
| Chem. resistance: | see chapter N „Technical Data“ | |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see chapter N „Technical Data“ | |



for DNC motors
on frequency converters

SL 810

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weigh ≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|---------------------------|
| 08100415 | 4 x 1,50 | 0,26 | 9,6 | 57,6 | 142 |
| 08100425 | 4 x 2,50 | 0,26 | 11,4 | 96,0 | 210 |
| 08100440 | 4 x 4,00 | 0,31 | 13,3 | 153,6 | 302 |
| 08100460 | 4 x 6,00 | 0,31 | 14,9 | 230,4 | 407 |
| 08100470 | 4 x 10,00 | 0,41 | 20,7 | 384,0 | 752 |
| 08100480 | 4 x 16,00 | 0,41 | 24,1 | 614,4 | 1069 |
| 08100490 | 4 x 25,00 | 0,41 | 29,3 | 960,0 | 1662 |
| 08100495 | 4 x 35,00 | 0,41 | 32,6 | 1344,0 | 2197 |
| 08100496 | 4 x 50,00 | 0,41 | 37,2 | 1920,0 | 3001 |
| 08100515 | 5 x 1,50 | 0,26 | 10,9 | 72,0 | 182 |
| 08100525 | 5 x 2,50 | 0,26 | 12,5 | 120,0 | 257 |
| 08100540 | 5 x 4,00 | 0,31 | 14,5 | 192,0 | 368 |
| 08100560 | 5 x 6,00 | 0,31 | 16,3 | 288,0 | 497 |
| 08100570 | 5 x 10,00 | 0,41 | 22,6 | 480,0 | 915 |
| 08100580 | 5 x 16,00 | 0,41 | 26,4 | 768,0 | 1309 |
| 08100590 | 5 x 25,00 | 0,41 | 32,1 | 1200,0 | 2039 |

Other dimensions and colours are possible on request.

SL 812 C

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weigh ≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|---------------------------|
| 08120415 | 4 x 1,50 | 0,26 | 12,0 | 111,7 | 232 |
| 08120425 | 4 x 2,50 | 0,26 | 13,4 | 155,7 | 301 |
| 08120440 | 4 x 4,00 | 0,31 | 15,1 | 250,8 | 410 |
| 08120460 | 4 x 6,00 | 0,31 | 16,7 | 328,9 | 521 |
| 08120470 | 4 x 10,00 | 0,41 | 20,9 | 522,2 | 827 |
| 08120480 | 4 x 16,00 | 0,41 | 24,7 | 783,4 | 1175 |
| 08120490 | 4 x 25,00 | 0,41 | 29,4 | 1157,7 | 1743 |
| 08120495 | 4 x 35,00 | 0,41 | 33,2 | 1565,8 | 2306 |
| 08120496 | 4 x 50,00 | 0,41 | 37,5 | 2165,5 | 2800 |
| 08120515 | 5 x 1,50 | 0,26 | 12,9 | 131,5 | 288 |
| 08120525 | 5 x 2,50 | 0,26 | 14,7 | 206,0 | 366 |
| 08120540 | 5 x 4,00 | 0,31 | 16,7 | 290,5 | 491 |
| 08120560 | 5 x 6,00 | 0,31 | 18,1 | 399,2 | 615 |
| 08120570 | 5 x 10,00 | 0,41 | 22,8 | 645,5 | 890 |
| 08120580 | 5 x 16,00 | 0,41 | 27,0 | 942,8 | 1393 |
| 08120590 | 5 x 25,00 | 0,41 | 32,3 | 1419,5 | 2087 |

Other dimensions and colours are possible on request.