

Servo Motor Cables

SL 802 C TPE/PUR feedback cable with overall copper screen

SL 803 C TPE/PUR transmission cable with overall copper screen

suitable for cable tracks

SAB Servo

BROCKSKES · D-VIERSEN · SL 802 C 9 x 0,5 mm² CE



Marking for SL 802 C 08020050:

SAB BRÖCKSKES · D-VIERSEN · SL 802 C 9 x 0,5 mm² CE



4 x 2 x 0,14 mm² + 4 x 0,5 mm² DESINA CE



Marking for SL 803 C 08030012:

SAB BRÖCKSKES · D-VIERSEN · SL 803 C 4 x 2 x 0,14 mm² + 4 x 0,5 mm² DESINA CE

Construction:

| | |
|-------------------------|---|
| Conductor: | bare copper strands with reference to VDE 0812 |
| Insulation: | TPE |
| Colour code: | coloured |
| Stranding | |
| SL 802 C: | in layers |
| SL 803 C: | in layers or pairwise |
| | <i>acc. to dimension:</i> |
| Screen: | pairs with tinned copper wires braided or wrapped |
| Inner sheath: | TPE |
| Stranding: | cores/pairs twisted together in layers |
| Wrapping: | non-woven tape or netting 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: | SL 802 C: orange (RAL 2003) SL 803 C: green (RAL 6018) |

Technical data:

| | |
|---------------------------------------|--|
| Peak operating voltage | |
| SL 802 C: | max. 500 V |
| SL 803 C: | max. 350 V |
| Testing voltage: | core/core 2000 V core/screen 1200 V |
| Min. bending radius | |
| <i>fixed laying:</i> | 5 x d |
| <i>flexible application:</i> | 10 x d |
| <i>continuously flexible:</i> | 12 x d |
| Radiation resistance: | 5 x 10 ⁷ cJ/kg |
| Temperature range | |
| <i>fixed laying:</i> | -50/+90 °C |
| <i>flexible application:</i> | -40/+90 °C |
| 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“ |

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Outstanding features:



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



suitable for
resolvers and shaft encoders

| item no. | dimension | sheath colour | largest single wire ø mm | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------------------|---|---------------|--------------------------|------------------|---------------------|----------------------|
| motor feedback cable | | | | | | |
| 08020050 | 9 x 0,50 | orange | 0,16 | 7,8 | 66,2 | 97 |
| transmission cable | | | | | | |
| 08030009 | 4 x 2 x 0,25 + 2 x 0,50 | orange | 0,11/0,16 | 7,8 | 51,8 | 81 |
| 08030010 | 4 x 2 x 0,25 + 2 x 1,00 | orange | 0,11/0,16 | 7,9 | 63,3 | 93 |
| 08030160 | 3 x 2 x 0,25 + 3 x 0,25 + 2 x 1,00 | orange | 0,11/0,16 | 7,9 | 65,8 | 96 |
| 08030040 | 3 x 2 x 0,25 | orange | 0,11 | 6,3 | 33,2 | 52 |
| 08030060 | 4 x 2 x 0,14 + (4 x 0,14) D + 4 x 1,00 | orange | 0,11/0,16 | 9,7 | 88,5 | 135 |
| 08030012 | 4 x 2 x 0,14 + 4 x 0,50 | green | 0,11/0,16 | 7,9 | 54,9 | 86 |
| 08030112 | 10 x 0,14 + 2 x 0,50 | green | 0,11/0,16 | 7,0 | 44,0 | 66 |
| 08030114 | 10 x 0,14 + 4 x 0,50 | green | 0,11/0,16 | 7,8 | 55,6 | 83 |
| 08030013 | 4 x 2 x 0,38 + 4 x 0,50 | green | 0,11/0,16 | 8,9 | 75,9 | 112 |
| 08030020 | 3 x (2 x 0,14 C) + 2 x 1,00 | green | 0,11/0,16 | 8,6 | 80,6 | 102 |
| 08030022 | 3 x (2 x 0,14 C) + 2 x (0,50 C) | green | 0,11/0,16 | 8,8 | 87,6 | 108 |
| 08031050 | 3 x (2 x 0,14 D) + 4 x 0,14 + 4 x 0,22 + 2 x 0,50 | green | 0,11 | 9,5 | 77,9 | 121 |

Other dimensions and colours are possible on request.

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