

SL 801 C Combined TPE/PUR motor connection cable with overall copper screen 0.6/1 kV

01 C 4 x 0,75 mm² + 2 x (2 x 0,34 mm²) **DESINA** CE



Marking for SL 801 C 08010407:

SAB BRÖCKSKES · D-VIERSEN · SL 801 C 4 x 0,75 mm² + 2 x (2 x 0,34 mm²) **DESINA** CE

Construction:

| | |
|--------------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6 >0,5 mm ² acc. to DIN VDE 0812 |
| Insulation: | TPE |
| Colour code: | black cores with consecutive numbers acc. to EN 50334; (except 0,34 mm ² = coloured) and a green-yellow earth wire supply cores: U1, V2, W3 and a green-yellow earth wire control cores: BR1 and BR2 |
| from item no. 08011415: | |
| Stranding: | control cores 0,34 mm ² - 2,5 mm ² twisted to pairs |
| Screen: | pairs wrapped with Alu-foil, tinned copper braid |
| Wrapping: | pairs with PETP foil |
| Stranding: | screened control pairs and supply cores twisted together in layers |
| Wrapping: | non-woven tape |
| Screen: | tinned copper braiding |
| Wrapping: | non-woven tape |
| Sheath material: | PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface |
| Sheath colour: | orange (RAL 2003) |

Technical data:

| | | |
|---------------------------------------|---------------|---|
| Nominal voltage: | supply cores | U ₀ /U 0.6/1 kV |
| Peak operating voltage: | control cores | max. 500 V |
| Testing voltage U: | supply cores | 4000 V |
| | control cores | max. 1500 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: | | 5x10 ⁷ cJ/kg |
| Temperature range | | |
| <i>fixed laying:</i> | | -50/+90 °C |
| <i>flexible application:</i> | | -40/+90 °C |
| Oil resistance: | | very good - TPU acc. to DIN VDE 0282 part 10 + HD 22.10 |
| 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 page N/14 |

Outstanding features:

- very good EMC characteristics
- long service life
- adhesion-free installation
- high flexibility
- halogen-free
- labs uncritical
(labs = enamel moisturing interfering substances)
- flexible at low temperatures
- **DESINA®** colours (see page C/4)



Cable harnessing possible on request

| item no. | dimensions | AWG | | largest single wire ø mm | outer-ø mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|-------------------------------------|--------------|--------------------------|-----------------------------|---------------|---------------------------|----------------------------|
| | | supply cores | control cores (pairs) | | | | |
| 08010407 | 4 x 0,75 + 2 x (2 x 0,34) | 19 / 4c | 22 / 2pr | 0,16/0,11 | 10,5 ± 0,5 | 115,5 | 160 |
| 08010410 | 4 x 1,00 + 2 x (2 x 0,75) | 18 / 4c | 19 / 2pr | 0,16 | 12,0 ± 0,5 | 154,2 | 209 |
| 08010415 | 4 x 1,50 + 2 x (2 x 0,75) | 16 / 4c | 19 / 2pr | 0,16 | 12,2 ± 0,5 | 174,3 | 233 |
| 08010425 | 4 x 2,50 + 2 x (2 x 1,00) | 14 / 4c | 18 / 2pr | 0,16 | 15,0 ± 0,8 | 236,8 | 312 |
| 08010441 | 4 x 4,00 + (2 x 1,00) + (2 x 1,50) | 12 / 4c | 18 / 1pr + 16 / 1pr | 0,16 | 17,8 ± 0,6 | 349,8 | 463 |
| 08010461 | 4 x 6,00 + (2 x 1,00) + (2 x 1,50) | 10 / 4c | 18 / 1pr + 16 / 1pr | 0,21/0,16 | 18,6 ± 0,8 | 437,6 | 580 |
| 08010471 | 4 x 10,00 + (2 x 1,00) + (2 x 1,50) | 8 / 4c | 18 / 1pr + 16 / 1pr | 0,21/0,16 | 22,5 ± 1,0 | 613,5 | 792 |
| 08010485 | 4 x 16,00 + 2 x (2 x 1,50) | 6 / 4c | 16 / 2pr | 0,21/0,16 | 27,6 ± 0,8 | 880,6 | 1130 |
| 08010490 | 4 x 25,00 + 2 x (2 x 1,50) | 4 / 4c | 16 / 2pr | 0,21/0,16 | 28,0 ± 1,0 | 1237,0 | 1507 |
| 08010495 | 4 x 35,00 + 2 x (2 x 1,50) | 2 / 4c | 16 / 2pr | 0,21/0,16 | 32,0 ± 1,0 | 1647,3 | 2011 |
| 08010496 | 4 x 50,00 + 2 x (2 x 2,50) | 1 / 4c | 14 / 2pr | 0,21/0,16 | 38,2 ± 1,0 | 2324,0 | 2866 |
| 08011415 | 4 x 1,50 + (2 x 1,50) | 16 / 4c | 16 / 1pr | 0,16 | 12,5 ± 0,4 | 161,8 | 213 |
| 08011425 | 4 x 2,50 + (2 x 1,50) | 14 / 4c | 16 / 1pr | 0,16 | 13,8 ± 0,4 | 202,1 | 266 |
| 08011440 | 4 x 4,00 + (2 x 1,50) | 12 / 4c | 16 / 1pr | 0,16 | 14,9 ± 0,4 | 270,4 | 353 |
| 08011460 | 4 x 6,00 + (2 x 1,50) | 10 / 4c | 16 / 1pr | 0,21/0,16 | 16,7 ± 1,1 | 382,5 | 490 |
| 08011470 | 4 x 10,00 + (2 x 1,50) | 8 / 4c | 16 / 1pr | 0,21/0,16 | 19,2 ± 1,6 | 549,4 | 698 |
| 08011480 | 4 x 16,00 + (2 x 1,50) | 6 / 4c | 16 / 1pr | 0,21/0,16 | 23,0 ± 1,7 | 802,2 | 1008 |
| 08011490 | 4 x 25,00 + (2 x 1,50) | 4 / 4c | 16 / 1pr | 0,21/0,16 | 26,9 ± 1,0 | 1171,1 | 1448 |
| 08011495 | 4 x 35,00 + (2 x 1,50) | 2 / 4c | 16 / 1pr | 0,21/0,16 | 31,0 ± 1,0 | 1592,3 | 2012 |
| 08011496 | 4 x 50,00 + (2 x 1,50) | 1 / 4c | 16 / 1pr | 0,21/0,16 | 34,8 ± 1,0 | 2203,3 | 2695 |

Other dimensions and colours are possible on request.