

SL 823 C PUR motor connection cable with TPE cores and overall copper screen 0.6/1 kV



Marking for SL 823 C 08230415:
SAB BRÖCKSKES · D-VIERSEN · SL 823 C 0,6/1 kV 4 x 1,5 mm² **DESINA** CE

Construction:

| | |
|-------------------------|---|
| Conductor: | bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6 |
| Insulation: | TPE |
| Colour code: | black cores with consecutive numbers acc. to EN 50334 and a green-yellow earth wire |
| Stranding: | in layers |
| Wrapping: | two layers of non-woven tape |
| Screen: | tinned copper braiding |
| Wrapping: | non-woven tape |
| Sheath material: | PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface |
| Sheath colour: | orange (RAL 2003) |

Outstanding features:

- very good EMC characteristics
- very high flexibility
- suitable for cable tracks
- oil resistant
- very long service life
- adhesion-free installation
- halogen-free
- labs uncritical
(labs = enamel moisturing interfering substances)
- flexible at low temperatures
- EAC approval
- DESINA® colours (see page C/4)

Technical data:

| | |
|---------------------------------------|--|
| Nominal voltage: | U ₀ /U 0.6/1 kV |
| Testing voltage U: | 4000 V core/screen 2000 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 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/17 |

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| item no. | no. of cores x cross section n x mm ² | AWG | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|---------|--------------------------------|-----------------------|---------------------------|----------------------------|
| 08230415 | 4 x 1,50 | 16 / 4c | 0,16 | 9,5 | 95,8 | 141 |
| 08230425 | 4 x 2,50 | 14 / 4c | 0,16 | 11,9 | 147,0 | 217 |
| 08230440 | 4 x 4,00 | 12 / 4c | 0,16 | 13,0 | 210,2 | 289 |
| 08230460 | 4 x 6,00 | 10 / 4c | 0,21 | 15,9 | 300,5 | 420 |
| 08230470 | 4 x 10,0 | 8 / 4c | 0,21 | 18,5 | 489,9 | 627 |
| 08230480 | 4 x 16,0 | 6 / 4c | 0,21 | 22,4 | 751,3 | 965 |
| 08230490 | 4 x 25,0 | 4 / 4c | 0,21 | 25,5 | 1118,2 | 1363 |
| 08230495 | 4 x 35,0 | 2 / 4c | 0,21 | 29,5 | 1533,4 | 1848 |
| 08230496 | 4 x 50,0 | 1 / 4c | 0,31 | 34,5 | 2148,7 | 2553 |

Other dimensions and colours are possible on request.



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