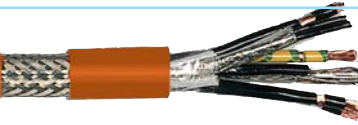


SL 875 C low capacity hybrid motor connection cable with overall copper screen 0.6/1 kV

M Style 20910 80°C CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for SL 875 C 08750105:

SAB BRÖCKSKES · D-VIERSEN · 08750105 SL 875 C 4 x 1,5 mm² (1000V) + (2 x 1,0 mm²) (1000V) + (2 x AWG 22) (1000V)C

DESINA AWM Style 20910 80°C CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

Construction:

| | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor: | bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6 < 0,50 mm ² with reference to DIN VDE 0812 |
| Insulation: | special polymer |
| Colour code: | item 0875-01 .. supply cores: black cores with printing core 1: U/L1/C/L+ core 2: V/L2 core 3: W/L3/D/L- and a green-yellow earth wire control cores: black cores with number 5+6 feedback: white, blue item 0875-05 .. supply cores: black, blue, brown, green-yellow control cores: white -blue, white-green feedback: white-green, brown-green + gray, pink, yellow, violet |
| Stranding: | control cores pairwise, item 0875-01 .. feedbackcores pairwise item 0875-05 .. feedbackcores 0,09 mm ² pairwise pairs with cores 0,24 mm ² in layers optimally stranded |
| Wrapping: | non-woven tape resp. foil |
| Screen: | elements with tinned copper braid item 0875-01 .. feedbackcores additional Alu-foil |
| Wrapping: | non-woven tape resp. foil |
| Stranding: | screened elements and supply cores in layers optimally stranded |
| Wrapping: | non-woven tape |
| Sheath material: | TMPU acc. to DIN EN 50363-10-2 with mat surface |
| Sheath colour: | orange (RAL 2003) |

Technical data:

| | | |
|---------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------|
| Nominal voltage: | DIN VDE: supply cores | U ₀ /U 0.6/1 kV |
| Peak operating voltage: | DIN VDE: control cores + feedbackcores | max. 500 V |
| Voltage: | UL: CSA: ≥ 0,5 mm ² < 0,5 mm ² | 1000 V 1000 V 300 V |
| Testing voltage: | supply cores, control cores feedbackcores | 4000 V 3000 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 | DIN VDE | UL/CSA: up to +80°C |
| <i>fixed laying:</i> | | -50/+90 °C |
| <i>flexible application:</i> | | -40/+90 °C |
| Fire performance: | flame retardant and self-extinguishing acc. to IEC 60332-1-2, EN 60332-1-2 + UL FT1, CSA FT1, FT2 | |
| Oil resistance: | very good - TMPU acc. to DIN EN 50363-10-2 | |
| 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 page N/17 | |

Produktvorteile:

- used as all-in-one cable solution in motor feedback systems
- low capacity construction
- UL recognized, CSA approval
- very good EMC characteristics
- long service life
- adhesion-free installation
- suitable for cable tracks
- halogen-free
- labs uncritical
(labs = enamel moisturing interfering substances)
- flexible at low temperatures
- DESINA® colours (see page C/4)

| item no. | dimensions | outer-ø approx. mm | copper figure kg/km | cable weight ≈ kg/km |
|------------------------------------|-----------------------------------------------------|-----------------------|---------------------------|----------------------------|
| acc. to SICK HIPERFACE DSL® | | | | |
| 08750101 | 4 x 0,50 + (2 x 0,34)C + (2 x 26 AWG)C | 9,8 | 85,2 | 131 |
| 08750102 | 4 x 0,75 + (2 x 0,34)C + (2 x 26 AWG)C | 10,0 | 95,4 | 139 |
| 08750103 | 4 x 1,00 + (2 x 0,75)C + (2 x 22 AWG)C | 11,8 | 155,2 | 199 |
| 08750104 | 4 x 1,50 + (2 x 0,75)C + (2 x 22 AWG)C | 12,6 | 176,5 | 230 |
| 08750105 | 4 x 1,50 + (2 x 1,00)C + (2 x 22 AWG)C | 12,8 | 181,7 | 237 |
| 08750106 | 4 x 2,50 + (2 x 1,00)C + (2 x 22 AWG)C | 13,9 | 222,0 | 286 |
| 08750107 | 4 x 4,00 + (2 x 1,00)C + (2 x 22 AWG)C | 15,4 | 292,8 | 376 |
| 08750108 | 4 x 6,00 + (2 x 1,00)C + (2 x 22 AWG)C | 18,1 | 414,2 | 520 |
| 08750109 | 4 x 10,0 + (2 x 1,50)C + (2 x 22 AWG)C | 20,0 | 593,3 | 715 |
| 08750110 | 4 x 16,0 + (2 x 1,50)C + (2 x 22 AWG)C | 24,4 | 851,9 | 1055 |
| acc. to HEIDENHAIN HMC6® | | | | |
| 08750501 | 4 x 0,75 + (2 x 0,34)C + (2 x 0,24 + 2 x 2 x 0,09)C | 10,8 | 122,7 | 163 |
| 08750502 | 4 x 1,50 + (2 x 0,75)C + (2 x 0,24 + 2 x 2 x 0,09)C | 12,1 | 171,1 | 219 |
| 08750503 | 4 x 2,50 + (2 x 1,00)C + (2 x 0,24 + 2 x 2 x 0,09)C | 13,7 | 224,0 | 282 |
| 08750504 | 4 x 4,00 + (2 x 1,00)C + (2 x 0,24 + 2 x 2 x 0,09)C | 15,4 | 288,2 | 359 |

Other dimensions and colours are possible on request.

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