SL 871 C

TPE motor connection cable with 1 or 2 pairs and overall tinned copper shield, low capacitance 0.6/1 kV

Marking for SL 871 C 08710415:
SAB BRÖCKSKES · D-VIERSEN · SL 871 C 4 x 1.5 mm² (1000V) + (2 x 1.5 mm²) (300V) 08710415
DESINA AWM Style 20235 80°C 1000V CSA AWM I/II A/B 80°C 300V FT1 FT2

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6 < 20 AWG with reference to VDE 0812
Insulation:	special polymer
Color code:	supply conductors up to 08710496: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green/yellow ground supply conductors up to 08711415: conductor 1: U/L1/C/L+, conductor 2: V/L2 conductor 3: W/L3/D/L- and a green/yellow ground control conductors: with 1 control pair: black, white with 2 control pairs: black with numbers 5, 6 and 7, 8
Stranding:	control conductors: twisted to pairs
Wrapping:	control conductors: non-woven tape
Shielding:	control conductors: tinned copper braiding
Wrapping:	control conductors: non-woven tape
Stranding:	shielded control pairs and supply conductors twisted together with fillers in layers
Wrapping:	non-woven tape
Shielding:	overall tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
Jacket color:	orange (RAL 2003)

Technical data:

Nominal voltage:	supply conductors:	.0.6/1 kV
Peak operating voltage:	control conductors:	max. 350 V
Voltage UL/CSA:	supply conductors: control conductors:	1000 V 300 V from 08711415: 1000 V
Testing voltage: *supply conductors:* *control conductors:*	 conductor/conductor: conductor/shielding: conductor/conductor: conductor/shielding:	 4000 V 4000 V 2000 V 2000 V
Min. bending radius: *fixed installation:* *free movement:* *for continuous flexing:*	 5 x O.D. 10 x O.D. 12 x O.D.	
Temperature range: *static:* *flexible:*	**DIN VDE** -50/+90°C -40/+90°C	**UL/CSA:** up to +80°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2	
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.	
Weather resistance:	very good	
Approvals:	UR AWM, CSA AWM, CE, EAC, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

Outstanding features:

- **low capacitance construction**
- **very good EMC characteristics**
- **long service life**
- **adhesion-free installation**
- **suitable for cable tracks**
- **halogen-free**
- **free from paint wetting impairment substances** (PWIS-free)
- **flexible at low temperatures**
- **in accordance with Indramat INK and Siemens 6FX8008**

Cable harnessing possible on request

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item no.	power conductors	single pairs individually shielded	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
08710407	19 AWG/ 4c	22 AWG/ 2pr	0.457 ± 0.020	11.6 ± 0.5	113
08710410	18 AWG/ 4c	19 AWG/ 2pr	0.465 ± 0.020	11.8 ± 0.5	135
08710415	16 AWG/ 4c	19 AWG/ 2pr	0.484 ± 0.020	12.3 ± 0.5	151
08710425	14 AWG/ 4c	18 AWG/ 2pr	0.571 ± 0.031	14.5 ± 0.8	215
08710441	12 AWG/ 4c	18 AWG/ 1pr + 16 AWG/ 1pr	0.685 ± 0.024	17.4 ± 0.6	308
08710461	10 AWG/ 4c	18 AWG/ 1pr + 16 AWG/ 1pr	0.744 ± 0.031	18.9 ± 0.8	374
08710471	8 AWG/ 4c	18 AWG/ 1pr + 16 AWG/ 1pr	0.803 ± 0.039	20.4 ± 1.0	509
08710485	6 AWG/ 4c	16 AWG/ 2pr	1.024 ± 0.031	26.0 ± 0.8	746
08710490	4 AWG/ 4c	16 AWG/ 2pr	1.157 ± 0.031	29.4 ± 0.8	1019
08710495	2 AWG/ 4c	16 AWG/ 2pr	1.232 ± 0.031	31.3 ± 0.8	1265
08710496	1 AWG/ 4c	14 AWG/ 2pr	1.504 ± 0.031	38.2 ± 0.8	1787

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item no.	power conductors	single pairs individually shielded	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
08711415	16 AWG/ 4c	16 AWG/ 1pr	0.472 ± 0.012	12.0 ± 0.3	134
08712415	16 AWG/ 4c	20 AWG/ 1pr	0.504 ± 0.012	12.8 ± 0.3	147
08711425	14 AWG/ 4c	16 AWG/ 1pr	0.512 ± 0.016	13.0 ± 0.4	195
08712425	14 AWG/ 4c	20 AWG/ 1pr	0.551 ± 0.016	14.0 ± 0.4	190
08711440	12 AWG/ 4c	16 AWG/ 1pr	0.591 ± 0.016	15.0 ± 0.4	228
08711460	10 AWG/ 4c	16 AWG/ 1pr	0.654 ± 0.043	16.6 ± 1.1	316
08711470	8 AWG/ 4c	16 AWG/ 1pr	0.768 ± 0.063	19.5 ± 1.6	470
08711480	6 AWG/ 4c	16 AWG/ 1pr	0.906 ± 0.039	23.0 ± 1.0	679
08711490	4 AWG/ 4c	16 AWG/ 1pr	1.063 ± 0.028	27.0 ± 0.7	974
08711495	2 AWG/ 4c	16 AWG/ 1pr	1.181 ± 0.039	30.0 ± 1.0	1451
08711496	1 AWG/ 4c	16 AWG/ 1pr	1.354 ± 0.039	34.4 ± 1.0	1982

Other dimensions and colors are available on request

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