



USE OF CABLE

shielded, low capacity hybrid cable for drag chain applications in electrical drive technology, as a connection cable servo controller and motor, in assembly and insertion machines, especially for the wet area of transfer lines or machine tools.



SPECIAL FEATURES

- for HIPERFACE DSL® motor-feedback-systems - HighPERformance InterFACE Digital Servo Link
- largely resistant to grease, coolant fluids and lubricants
- resistant to oil acc. to DIN EN 60811-2-1
- silicone-free (by production)
- space and weight saving
- UV-resistant, halogen-free, low abrasion
- with the 1.000 V UL approval, the parallel laying with other cables that are equally approved for 1.000 V, is permitted
- conform to DESINA

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.
- HIPERFACE DSL® is a registered trademark of SICK AG

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 6 col. 4
Core insulation:	PELON®2
Core identification:	BK with WH print U/L1/C/L+;V/L2;W/L3/D/L- & 1core GNYE; signalpair: WH,BU, controlpair (optional): BK with WH numerals 5+6
Shield:	Signal pair/control pair: each pair shielded with tinned copper braid, optic. cover. appr. 85%
Overall stranding:	Cores & elements stranded together
Shield3:	Copper braid tinned, cover. appr. 85%
Outer sheath:	PUR
Sheath colour:	Orange, RAL 2003
Rated voltage:	Power- & control cores: IEC: 0,6/1kV; UL/CSA: 1kV; signal pair: max. 300V
Testing voltage:	Power- & control cores: 4 kV, signal pair: 1 kV
Conductor resistance:	At +20 °C acc. to IEC 60228 cl. 6
Insulation resistance:	At +20 °C ≥ 20 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE
Characteristic impedance:	Signal pair: approx. 100 Ohm
Transfer rate:	9.375 Mbaud until 100 m
Min. bending radius fixed:	5 x d
Min. bending radius moved:	7,5 x d < 10m TL 10 x d ≥ 10m TL
Operat. temp. fixed min/max:	-50 °C / +80 °C
Operat. temp. moved min/max:	-40 °C / +80 °C
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1, VW-1
Approvals:	UL/CSA - cURus 1.000 V, 80 °C
Speed:	Self-supporting: max. 5 m/s
Acceleration:	Max. 10 m/s ²

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504867	4 G 1,5 + (2 X AWG 22/19)C	11,6	116,00	194,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1504868	4 G 2,5 + (2 X AWG 22/19)C	12,8	168,00	253,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1504869	4 G 4 + (2 X AWG 22/19)C	14,3	235,00	332,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1505238	4 G 0,5 + (2 X 0,34)C + (2 X AWG 26/19)C	9,3	77,00	127,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1505239	4 G 0,75 + (2 X 0,34)C + (2 X AWG 26/19)C	9,9	98,00	142,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1505240	4 G 1 + (2 X 0,75)C + (2 X AWG 22/19)C	11,6	133,00	212,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1505241	4 G 1,5 + (2 X 0,75)C + (2 X AWG 24/19)C	11,8	152,00	230,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1505242	4 G 1,5 + (2 X 0,75)C + (2 X AWG 22/19)C	12,8	155,00	269,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504870	4 G 1,5 + (2 X 1)C + (2 X AWG 22/19)C	13,2	166,00	250,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1505243	4 G 1,5 + (2 X 1,5)C + (2 X AWG 22/19)C	13,8	179,00	272,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1504871	4 G 2,5 + (2 X 1)C + (2 X AWG 22/19)C	14,5	211,00	285,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1505244	4 G 2,5 + (2 X 1,5)C + (2 X AWG 22/19)C	15,1	230,00	220,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1504872	4 G 4 + (2 X 1)C + (2 X AWG 22/19)C	16,2	274,00	390,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1505245	4 G 6 + (2 X 1)C + (2 X AWG 22/19)C	18,6	367,00	540,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1505246	4 G 10 + (2 X 1,5)C + (2 X AWG 22/19)C	21,6	573,00	760,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV
1505247	4 G 16 + (2 X 1,5)C + (2 X AWG 22/19)C	24,6	836,00	1020,00	orange	V0: KAWEFLEX 52DSL SK-C-PUR UL/CSA 0,6/1KV