



USE OF CABLE

shielded, low capacity hybrid cable for applications with fixed or conditionally flexible installation 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 (only mineral oil)
- silicone-free (by production)
- space and weight saving
- 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 DIN VDE 0295 class 5 resp. IEC 60228 cl. 5
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 w. 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, coverage approx. 85%
Outer sheath:	PVC
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. 5
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:	15 x d
Operat. temp. fixed min/max:	-40 °C / +80 °C
Operat. temp. moved min/max:	-5 °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

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504861	4 G 1,5 + (2 X AWG 22/7)C	11,6	116,00	198,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1504862	4 G 2,5 + (2 X AWG 22/7)C	12,8	168,00	269,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1504863	4 G 4 + (2 X AWG 22/7)C	14,3	235,00	343,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1505231	4 G 0,5 + (2 X 0,34)C + (2 X AWG 26/7)C	9,4	77,00	123,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1505232	4 G 0,75 + (2 X 0,34)C + (2 X AWG 26/7)C	9,9	97,00	138,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1505233	4 G 1 + (2 X 0,75)C + (2 X AWG 22/7)C	11,6	129,00	208,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1505234	4 G 1,5 + (2 X 0,75)C + (2 X AWG 22/7)C	12,8	152,00	248,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1504864	4 G 1,5 + (2 X 1)C + (2 X AWG 22/7)C	13,2	164,00	256,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1504865	4 G 2,5 + (2 X 1)C + (2 X AWG 22/7)C	14,5	208,00	313,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1504866	4 G 4 + (2 X 1)C + (2 X AWG 22/7)C	16,2	276,00	407,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1505235	4 G 6 + (2 X 1)C + (2 X AWG 22/7)C	18,6	364,00	538,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1505236	4 G 10 + (2 X 1,5)C + (2 X AWG 22/7)C	21,6	571,00	752,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV
1505237	4 G 16 + (2 X 1,5)C + (2 X AWG 22/7)C	24,6	833,00	1005,00	orange	V0: KAWEFLEX 52DSL C-PVC UL/CSA 0,6/1KV