



USE OF CABLE

For flexible use in applications with high electrical requirements for controlling of various drive components on DRIVE-CLiQ® interfaces and digital signals, with a transfer rate of up to 100Mbit/s. Suitable for use in dry and humid rooms. Outdoor use only with UV-protection.



SPECIAL FEATURES

- flame retardant
- oil resistant acc. to IEC 60811-404
- free from lacquer damaging substances and silicone (during production)
- conform to DESINA
- HF-characteristics Cat.5e acc. to IEC 61156-6
- due to 300V UL/CSA approval parallel laying with other 300V cables is permitted
- structure: picture exemplary

REMARKS

- conform to RoHS and WEEE
- alternatively as c(UL)us Listing Type CMG acc. UL444 available
- further types upon request
- application parameters s. appendix - KAWEFLEX® ServoDriveQ.. application parameters
- DRIVE-CLiQ® is registered Trademark of Siemens AG

PRODUCT INFORMATION

Conductor material:	Bare copper (AWG24), tinned copper (AWG22)
Conductor class:	7-wires (AWG24), 19-wires (AWG22)
Core insulation:	AWG24 foamed Polyolefine, AWG22 Polyolefine
Core identification:	Pairs AWG24 GN/YE, PK/BU pair AWG22 RD/BK
Stranding:	Cores twisted to pairs
Overall stranding:	3 elements stranded with fillers
Shield3:	Alu-clad PET foil, metalside with contact to braid cover.100%, tinned copper braid, opt.cover.≥85%
Outer sheath:	PVC
Sheath colour:	Green, RAL 6018
Outer diameter:	Ca. 6,95 mm
Rated voltage:	Max. 300 V
Testing voltage:	500 V
Conductor resistance:	AWG24 max. 90 Ω/km , AWG22 max. 55 Ω/km
Insulation resistance:	At 20 °C ≥ 1 GΩ/km
Capacity:	Data pairs: nom. 50 nF/km at 800 Hz
Characteristic impedance:	100 ± 15 Ω from 1 to 100 MHz
Transfer rate:	100 Mbit/s
Min. bending radius fixed:	35,0 mm
Min. bending radius moved:	125,0 mm
Operat. temp. fixed min/max:	- 20 °C / +80 °C
Operat. temp. moved min/max:	- 0 °C / +60 °C
Burning behavior:	Acc. to IEC60332-1-2, UL VW-1 resp. CSA FT1
Approvals:	UL/CSA - cURus 300 V, 80°C, up from production date jan. 2016
Copper weight:	41,0 kg/km
Weight:	Ca. 68,0 kg/km

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2001499	2 X 2 X 0,22 (AWG 24) + 1 X 2 X 0,38 (AWG 22)	6,9	41,00	68,00	green	V0: KAWEFLEX ServoDriveQ FLEX-C-PVC UL/CSA