



## USE OF CABLE

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



## SPECIAL FEATURES

- halogen-free, flame retardant
- oil resistant acc. to IEC 60811-2-1
- free from lacquer damaging substances and silicone (during production)
- approbation UL/CSA, 300V, 80°C
- due to 300V UL/CSA approval parallel laying with other 300V cables is permitted
- conform to DESINA
- HF-characteristics Cat.5e acc. to IEC 61156-6

## REMARKS

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

## PRODUCT INFORMATION

Conductor material:	Bare copper (AWG24), tinned copper (AWG22)
Conductor class:	19-wires
Core insulation:	Polyolefin
Core identification:	Pairs AWG24 GN/YE, PK/BU pair AWG22 RD/BK
Stranding:	Cores and fillers 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:	PUR
Sheath colour:	Green, RAL 6018
Outer diameter:	Ca. 6,9 mm
Rated voltage:	300 V
Testing voltage:	500 V
Conductor resistance:	AWG24 max. 95 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:	75,0 mm
Operat. temp. fixed min/max:	- 40 °C / +80 °C
Operat. temp. moved min/max:	- 20 °C / +60 °C
Burning behavior:	Acc. to IEC60332-1, UL 1581 §1090, §1100 (FT2)
Approvals:	UL/CSA - cURus 300 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
2001493	2 X 2 X 0,20 (AWG 24) + 1 X 2 X 0,38 (AWG 22)	6,9	40,00	67,00	green	V0: KAWEFLEX ServoDriveQ Plus SK-C-PUR UL/CSA