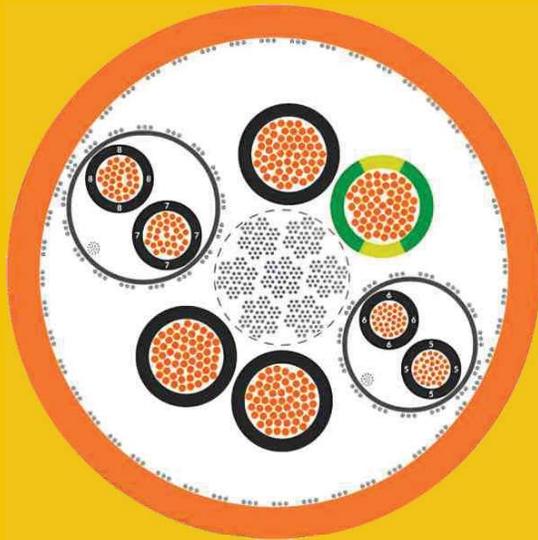




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CKS SAPFLEX PS517

Low capacitive hybrid servo cable with PVC outer sheath for static use



CKS Sapflex PS517 - Hybrid servo DSL cable for fixed installation with UL/CUL AWM.

One cable solution for servo drives
EMC-compliant

ADVANTAGES

- Only one connection line between drive and motor-feedback system. Instead of the encoder cable a specific integrated data pair takes over the signalling.
- Less cables and reduced connection costs
- Space and weight savings thanks to hybrid cable design

Multi-standard certification reduces part varieties and saves costs
Easy to install

APPLICATION RANGE

- For fixed installation or applications with occasional movements
- Power drive systems in automation engineering
- Connecting cable between servo controller and motor
- For use in assembling & pick-and-place machinery
- Particularly in wet areas of machine tools and transfer lines

PRODUCT FEATURES

- Maximum transmission length: 100m
- Flammability:
UL/CSA: VW-1, FT1
IEC/EN: 60332-1-2
- Oil-resistant
- Low-capacitance design
- EMC-optimised design

PRODUCT MAKE-UP

- Fine-wire, bare copper conductor (power cores and control pair) and 7-wire, tinned copper conductor (signal pair)
- Core insulation: polypropylene (PP)
- Individual design depending on the item: power cores without or with one screened control pair and one DSL data pair twisted together
- Tinned-copper braiding
- PVC outer sheath, orange (RAL 2003)

TECHNICAL DATA

Classification ETIM 5	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Conductor stranding	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5 DSL pair: 7-wired
Minimum bending radius	For flexible use: 15 x outer diameter Fixed installation: 5 x outer diameter
Nominal voltage	Power and control: IEC: U0/U: 600/1000 V UL: 1000 V Signal pair: 300 V

Test voltage	Power and control: 4 kV Data pair: 1kV
Protective conductor	G = with GN-YE protective conductor Flexing: -5°C to +70°C (UL: +80°C)
Temperature range	Fixed installation: -40°C to +70°C (UL: +80°C)

ELECTRICAL INFORMATION

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS SAPFLEX PS517				
CKS PS517 01	4 G 1,5 + (2 x 22AWG)	11.2	110	194
CKS PS517 02	4 G 2,5 + (2 x 22AWG)	12.6	148	253
CKS PS517 03	4 G 4 + (2 x 22AWG)	14	208	332
CKS PS517 04	4 G 1,5 + (2 x 1,0) + (2 x 22AWG)	13.2	140	250
CKS PS517 05	4 G 2,5 + (2 x 1,0) + (2 x 22AWG)	14	185	285
CKS PS517 06	4 G 4 + (2 x 1,0) + (2 x 22AWG)	15.8	248	390

