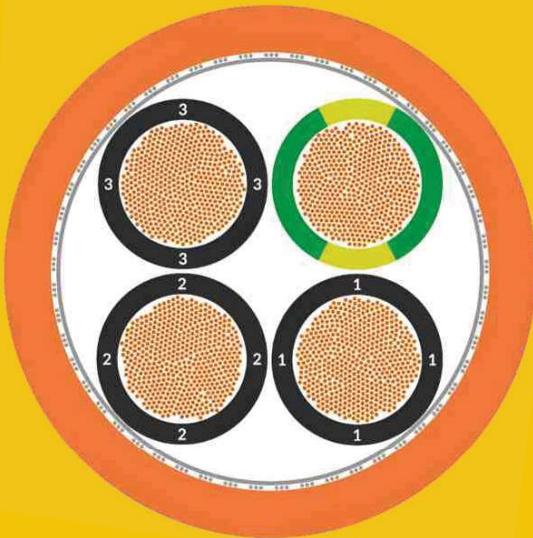




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## CKS SAPFLEX PS519

Screened, low capacitive servo cable with PVC outer sheath for flexible power chain application



CKS Sapflex PS519 - Low capacitive and screened servo motor cables for mean load in power chain applications.

Core Line Performance - Medium to increased travel lengths or acceleration  
EMC-compliant

### ADVANTAGES

- Well-proven and reliable
- Low capacitance design enables longer cable connection between frequency converter and motor
- Copper screening complies with EMC requirements and protects against electromagnetic interference



### APPLICATION RANGE

- Connecting cable between Frequency converter and motor
- In power chains or moving machine parts
- For power circuits in machine cabling
- In dry, damp or wet interiors with normal mechanical stress conditions
- Only for outdoor use within the indicated operating temperature range, with UV-protection

### PRODUCT FEATURES

- Oil-resistant
- Flame retardant acc. to IEC 60332-1-2
- Low-adhesive surface

### PRODUCT MAKE-UP

- Extra-fine wire strand made of bare copper wires (class 6)
- Core insulation: polypropylene (PP)
- Cores twisted in short lay lengths
- Non-woven wrapping
- 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	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
Minimum bending radius	Flexing: up from 7.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U0/U: 600/1000 V
Test voltage	Core/Core: 4 kV Core/Screen: 4 kV
Protective conductor	G = with gn-ye protective conductor
Temperature range	Flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

## ELECTRICAL INFORMATION

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
<b>CKS SAPFLEX PS519</b>				
CKS PS519 5104	4 X 1.5	9.8	89	157
CKS PS519 5204	4 X 2.5	11.9	133.8	233
CKS PS519 0404	4 X 4.0	13.5	210.9	335
CKS PS519 01004	4 X 10.0	19.7	488.2	747
CKS PS519 01604	4 X 16.0	23.9	744.8	1109
CKS PS519 03504	4 X 35.0	33.3	1,565.4	2264
CKS PS519 05004	4 X 50.0	38.3	2,174.9	3090

