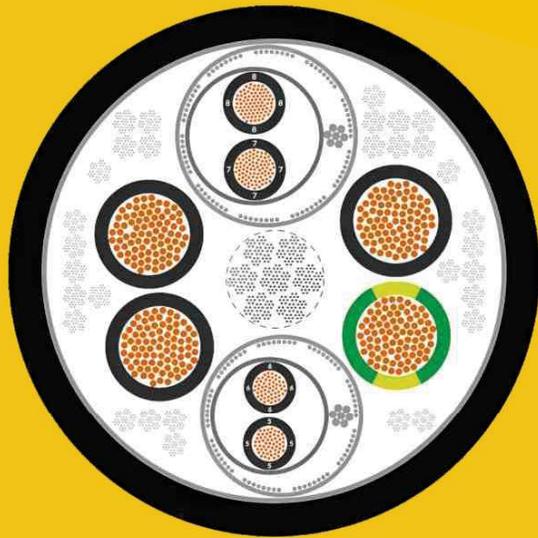




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CKS SAPFLEX PS520 P

Servo cable with PUR outer sheath for highly dynamic power chain application



CKS Sapflex PS520 P - Servo cable for high dynamic power chain application in harsh conditions with UL/CSA AWM and VDE certification

Extended Line Performance - Long travel lengths or high acceleration
AWM certification for USA and Canada
VDE-tested characteristics

ADVANTAGES

Allows much faster speed and accelerations which increases the economic efficiency of the machines
Low capacitance design enables longer cable connection between frequency converter and motor
Increased durability under harsh conditions thanks to robust PUR outer sheath



Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
Wide temperature range for applications in harsh climatic environments
Multi-standard certification reduces part varieties and saves costs

APPLICATION RANGE

Connecting cable between servo controller and motor
In power chains or moving machine parts
For use in assembling & pick-and-place machinery
Particularly in wet areas of machine tools and transfer lines
For indoor and outdoor use

PRODUCT FEATURES

Flammability:
UL/CSA: VW-1, FT1
IEC/EN: 60332-1-2
Halogen-free materials
Abrasion and notch-resistant
Oil-resistant

PRODUCT MAKE-UP

Extra-fine wire strand made of bare copper wires (class 6)
Core insulation: polypropylene (PP)
According to P/N individual design: Power cores with one or with two control pair(s), twisted together in short lay length
Non-woven wrapping
PUR outer sheath, black (RAL 9005)

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	IEC U0/U: 600/1000 V UL & CSA: 1000 V
Test voltage	Core/Core: 4 kV Core/Screen: 2 kV

Protective conductor

G = with GN-YE protective conductor

ELECTRICAL INFORMATION

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS SAPPFLEX PS520				
CKS PS520 01	4 X 1,5 + (2 x 1,5)	11.7	99	217
CKS PS520 02	4 X 2,5 + (2 x 1,5)	13.1	134	270
CKS PS520 03	4 X 4 + (2 x 1,5)	14.2	195	333
CKS PS520 04	4 X 6 + (2 x 1,5)	16.0	272	403
CKS PS520 05	4 X 10 + (2 x 1,5)	18.4	425	581
CKS PS520 06	4 X 16 + (2 x 1,5)	22.1	656	887
CKS PS520 07	4 X 0,75 + 2 x (2 x 0,34)	10.9	54	143
CKS PS520 08	4 X 1,5 + 2 x (2 x 0,75)	12.3	103	209
CKS PS520 09	4 X 2,5 + 2 x (2 x 1,0)	14.3	152	306
CKS PS520 010	4 X 4 + 2 x (2 x 1,0)	15.4	218	381
CKS PS520 011	4 X 4 + (2 x 1,0) + (2 x 1,5)	15.6	231	388
CKS PS520 012	4 X 6 + (2 x 1,0) + (2 x 1,5)	17.1	308	460

