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## CKS SAPFLEX PS537 P

Highly flexible control cable with PVC core insulation and robust, oil resistant outer sheath



CKS Sapflex PS537 P - highly flexible control cable with PVC core insulation and robust, oil-resistant outer sheath of PU-special blend

Basic Line Performance - Moderate travel lengths or acceleration  
Good oil resistance

### ADVANTAGES

- Good combination of quality and price
- Durable thanks to robust sheath material
- Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
- Multi-standard certification reduces part varieties and saves costs
- Certified for the USA and Canada for export-oriented machine, appliance and apparatus manufacturers

### APPLICATION RANGE

In power chains or moving machine parts  
Very suitable for oily wet areas within machinery and production lines  
Suitable for use in measuring, control and regulating circuits  
Assembly lines, production lines, in all kinds of machines  
Indoor applications or dry rooms

### PRODUCT FEATURES

High oil-resistance  
Flammability:  
IEC/EN: 60332-1-2  
UL/CSA: Horizontal Flame, FT2  
Mechanically robust  
Low-adhesive surface

### PRODUCT MAKE-UP

Fine-wire, bare copper conductor  
Core insulation: PVC  
Cores twisted in layers  
Non-woven wrapping  
Outer sheath of Lapp-PU-Special Blend, black (similar RAL 9005)

### TECHNICAL DATA

Classification ETIM 5	ETIM 5.0 Class-ID: Ec000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius	Flexing: up from 10 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	IEC U0/U: 300/500 V UL: 1000 V
Test voltage	Core/core: 4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Flexing: -5°C to +70°C (UL: +80°C) Fixed installation: -40°C to +70°C (UL: +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 PS537 P</b>				
CKS PS537 5002	2 X 0.5	5.2	9.6	30.7
CKS PS537 5003	3 X 0.5	5.5	14.4	39.2
CKS PS537 5004	4 X 0.5	6	19.2	48.5
CKS PS537 5005	5 X 0.5	6.5	24	58
CKS PS537 5007	7 X 0.5	7.7	33.6	79
CKS PS537 50012	12 X 0.5	9.2	57.6	121.1
CKS PS537 50018	18 X 0.5	11	86.4	177.9
CKS PS537 50025	25 X 0.5	13.3	120	250
CKS PS537 75002	2 X 0.75	5.6	14.4	37.9
CKS PS537 75003	3 X 0.75	6	21.6	49.4
CKS PS537 75004	4 X 0.75	6.5	28.8	61.5
CKS PS537 75005	5 X 0.75	7.1	36	74.5
CKS PS537 75007	7 X 0.75	8.5	50.4	105.6
CKS PS537 750012	12 X 0.75	10.3	86.4	163.3
CKS PS537 750018	18 X 0.75	12.2	129.6	239
CKS PS537 750025	25 X 0.75	14.8	180	334.8
CKS PS537 0102	2 X 1.0	5.9	19.2	43.1
CKS PS537 0103	3 X 1.0	6.3	28.8	56.5
CKS PS537 0104	4 X 1.0	6.9	39	71.3
CKS PS537 0105	5 X 1.0	7.5	48	86.2
CKS PS537 0107	7 X 1.0	9	67	122.3
CKS PS537 01012	12 X 1.0	10.9	115.2	190.3
CKS PS537 01018	18 X 1.0	13.2	172.8	285.4
CKS PS537 01025	25 X 1.0	15.7	240	391.2
CKS PS537 5102	2 X 1.5	6.5	28.8	55.6
CKS PS537 5103	3 X 1.5	6.9	43.2	74.5
CKS PS537 5104	4 X 1.5	7.6	58	94.7
CKS PS537 5105	5 X 1.5	8.5	72	119.3
CKS PS537 5107	7 X 1.5	10.3	100.8	169.5
CKS PS537 51012	12 X 1.5	12.3	172.8	263.9
CKS PS537 51018	18 X 1.5	14.9	259.2	395.1
CKS PS537 51025	25 X 1.5	17.9	360	549.4
CKS PS537 5203	3 X 2.5	8.4	72	115.6

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS537 5204	4 X 2.5	9.3	96	148.2
CKS PS537 5205	5 X 2.5	10.4	120	186
CKS PS537 5207	7 X 2.5	12.7	168	268.9
CKS PS537 52012	12 X 2.5	15.2	288	420.2
CKS PS537 0404	4 X 4.0	11.1	153.6	222.1
CKS PS537 01004	4 X 10.0	17.2	384	541
CKS PS537 01604	4 X 16.0	20.1	614.4	804.6
CKS PS537 02504	4 X 25.0	24.9	960	1,259.5