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## CKS SAPFLEX PS531

Highly flexible control cable with PVC core insulation and abrasion and oil resistant PUR sheath



CKS Sapflex PS531 - Power and control cable for versatile use in power chains in harsh environmental conditions  
 Core Line Performance - Medium to increased travel lengths or acceleration  
 Oil resistant and abrasion-proof

### ADVANTAGES

Well-proven and reliable  
 Various applications  
 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



### APPLICATION RANGE

In power chains or moving machine parts  
 Particularly in wet areas of machine tools and transfer lines  
 Power circuits for electrical equipments used in automation engineering  
 Suitable for use in measuring, control and regulating circuits  
 Assembly lines, production lines, in all kinds of machines  
 In dry, damp or wet interiors with normal mechanical stress conditions

### PRODUCT FEATURES

Flame-retardant  
 High oil-resistance  
 Abrasion and notch-resistant  
 Low-adhesive surface

### PRODUCT MAKE-UP

Extra-fine wire strand made of bare copper wires (class 6)  
 Core insulation: PVC  
 Cores twisted in short lay lengths  
 Non-woven wrapping  
 PUR outer sheath

### 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: 300/500 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without 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 PS531</b>				
CKS PS531 5002	2 X 0.5	5.3	10	36
CKS PS531 5003	3 X 0.5	5.7	15	44
CKS PS531 5004	4 X 0.5	6.3	19	53
CKS PS531 5005	5 X 0.5	6.8	24	62
CKS PS531 5007	7 X 0.5	8	34	82
CKS PS531 50012	12 X 0.5	9.5	58	129
CKS PS531 50018	18 X 0.5	11.4	86.4	185
CKS PS531 57002	2 X 0.75	5.7	15	44
CKS PS531 57003	3 X 0.75	6.2	22	55
CKS PS531 57004	4 X 0.75	6.8	29	67
CKS PS531 57005	5 X 0.75	7.4	37	80
CKS PS531 57007	7 X 0.75	8.9	51	109
CKS PS531 570012	12 X 0.75	10.6	87	172
CKS PS531 570018	18 X 0.75	12.7	130	247
CKS PS531 570025	25 X 0.75	15.2	181	346
CKS PS531 0102	2 X 1.0	6.1	20	52
CKS PS531 0103	3 X 1.0	6.6	29	66
CKS PS531 0104	4 X 1.0	7.3	39	82
CKS PS531 0105	5 X 1.0	8	48	97
CKS PS531 0107	7 X 1.0	9.6	67	117
CKS PS531 01012	12 X 1.0	11.4	115	211
CKS PS531 01018	18 X 1.0	13.9	173	310
CKS PS531 01025	25 X 1.0	16.4	240	426
CKS PS531 01034	34 X 1.0	18.9	326.4	571
CKS PS531 01041	41 X 1.0	20.6	394	684
CKS PS531 01050	50 X 1.0	22.3	480	822
CKS PS531 01065	65 X 1.0	25.4	624	1058
CKS PS531 5102	2 X 1.5	6.8	29	68
CKS PS531 5103	3 X 1.5	7.4	43.2	86
CKS PS531 5104	4 X 1.5	8.1	58	106
CKS PS531 5105	5 X 1.5	9.1	72	131
CKS PS531 5107	7 X 1.5	10.9	101	178
CKS PS531 51012	12 X 1.5	12.9	173	281
CKS PS531 51016	16 X 1.5	14.6	230	365
CKS PS531 51018	18 X 1.5	15.6	259	411

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS531 51025	25 X 1.5	18.6	360	571
CKS PS531 51034	34 X 1.5	21.1	489.6	753
CKS PS531 51042	42 X 1.5	23	629	919
CKS PS531 51050	50 X 1.5	25	720	1093
CKS PS531 5203	3 X 2.5	9	72	135
CKS PS531 5204	4 X 2.5	10	96	168
CKS PS531 5205	5 X 2.5	11.2	120	206
CKS PS531 5207	7 X 2.5	13.6	168	286
CKS PS531 52012	12 X 2.5	16	288	453
CKS PS531 52014	14 X 2.5	17.2	336	525
CKS PS531 0404	4 X 4.0	11.7	160	252
CKS PS531 0405	5 X 4.0	13.1	200	309
CKS PS531 0601	1 X 6.0	6.4	57.6	84
CKS PS531 0604	4 X 6.0	13.9	230	377
CKS PS531 01001	1 X 10.0	7.7	96	141
CKS PS531 01004	4 X 10.0	17.6	384	614
CKS PS531 01005	5 X 10.0	19.6	480	751
CKS PS531 01601	1 X 16.0	9.2	160	198
CKS PS531 01604	4 X 16.0	21	615	851