



# 39

## CKS SAPFLEX PS538 P

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



CKS Sapflex PS538 P- Oil resistant power and control cable for power chain use in harsh conditions  
 Core Line Performance - Medium to increased travel lengths or acceleration  
 High oil resistance

### ADVANTAGES

Multi-standard certification reduces part varieties and saves costs  
 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  
 Certified for the USA and Canada for export-oriented machine, appliance and apparatus manufacturers



### APPLICATION RANGE

In power chains or moving machine parts  
 Particularly in wet areas of machine tools and transfer lines  
 Suitable for use in measuring, control and regulating circuits  
 Plant engineering  
 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 layers in short lay lengths  
 Non-woven wrapping  
 PUR outer sheath, black (similar 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 class6
Minimum bending radius	Flexing: up from 7.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	IEC: U0/U 300/500 V UL/CSA: 600 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 (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 PS538 P</b>				
CKS PS538 5002	2 X 0.5	6.5	9.6	46
CKS PS538 5007	7 X 0.5	9.6	33.6	118
CKS PS538 75003	3 X 0.75	7.3	21.6	66
CKS PS538 75004	4 X 0.75	8	28.8	82
CKS PS538 75005	5 X 0.75	8.7	36	101
CKS PS538 75007	7 X 0.75	10.7	50.4	142
CKS PS538 750012	12 X 0.75	11.7	86.4	196
CKS PS538 750018	18 X 0.75	13.9	129.6	282
CKS PS538 750025	25 X 0.75	16.6	180	404
CKS PS538 750034	34 X 0.75	18.9	244.8	541
CKS PS538 750050	50 X 0.75	22.5	360	738
CKS PS538 5103	3 X 1.5	8.4	43.2	98
CKS PS538 5104	4 X 1.5	9.3	57.6	125
CKS PS538 5105	5 X 1.5	10.1	72	155
CKS PS538 5107	7 X 1.5	11.9	100.8	221
CKS PS538 51012	12 X 1.5	13.9	172.8	318
CKS PS538 51018	18 X 1.5	16.9	259.2	484
CKS PS538 51025	25 X 1.5	20.1	360	671
CKS PS538 51034	34 X 1.5	23.1	489.6	910
CKS PS538 5202	2 X 2.5	8.9	48	102
CKS PS538 5203	3 X 2.5	9.3	72	134
CKS PS538 5204	4 X 2.5	10.3	96	173
CKS PS538 5205	5 X 2.5	11.3	120	217
CKS PS538 5207	7 X 2.5	13.4	168	312
CKS PS538 52012	12 X 2.5	15.8	288	460
CKS PS538 0403	3 X 4.0	10.9	115.2	197
CKS PS538 0404	4 X 4.0	12.1	153.6	257
CKS PS538 0407	7 X 4.0	16.1	268.8	471
CKS PS538 0604	4 X 6.0	13.7	230.4	363
CKS PS538 01004	4 X 10.0	17.9	384	605
CKS PS538 01604	4 X 16.0	23.4	614.4	973
CKS PS538 02504	4 X 25.0	27.6	960	1437

