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CKS SAPFLEX PS510 P

Abrasion- and oil-resistant control cable with PUR sheath for increased application requirements



CKS Sapflex PS510 P- PUR control cable with VDE certification for oil- and abrasion-resistant use in apparatus construction, in industrial machines and machine tools.

Oil resistant and abrasion-proof
 Proved and certified quality
 Easy jacket stripping thanks to interstice-filling functional layer

ADVANTAGES

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



Interstice-filling functional layer ensures more safety and efficiency during industrial and manual jacket stripping
 VDE-tested characteristics
 Good combination of quality and price

APPLICATION RANGE

Appliance and apparatus construction
 Industrial machinery and machine tools
 Measurement, control and electrical applications
 Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress
 Under consideration of the temperature range also suitable for outdoor use

PRODUCT FEATURES

High oil-resistance
 Abrasion and notch-resistant
 Low-adhesive surface
 Resistant to hydrolysis and microbes

PRODUCT MAKE-UP

Fine-wire, bare copper conductor
 Core insulation: special PVC
 Cores twisted in layers
 Special outer sheath of polyurethane with interstice-filling functional layer

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	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Flexible use: 12.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U0/U: 300/500 V
Test voltage	4000 V
Temperature range	Occasional flexing: -15°C to +70°C Fixed installation: -40°C to +80°C

Protective conductor

G = with GN-YE protective conductor

X = without 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 SAPFLEX PS510 P				
CKS PS510 5002	2 X 0.5	4.8	9.6	32
CKS PS510 5003	3 X 0.5	5.1	14.4	39
CKS PS510 5004	4 X 0.5	5.7	19.2	49
CKS PS510 5005	5 X 0.5	6.2	24	59
CKS PS510 5007	7 X 0.5	6.7	33.6	73
CKS PS510 50010	10 X 0.5	8.6	48	116
CKS PS510 50012	12 X 0.5	8.9	57.6	129
CKS PS510 50018	18 X 0.5	10.5	86.4	184
CKS PS510 50025	25 X 0.5	12.4	120	256
CKS PS510 75002	2 X 0.75	5.4	14.4	42
CKS PS510 75003	3 X 0.75	5.7	21.6	51
CKS PS510 75004	4 X 0.75	6.2	28.8	62
CKS PS510 75005	5 X 0.75	6.7	36	75
CKS PS510 75007	7 X 0.75	7.3	50.4	95
CKS PS510 750010	10 X 0.75	9.6	72	153
CKS PS510 750012	12 X 0.75	9.9	86.4	170
CKS PS510 750018	18 X 0.75	11.7	129.6	245
CKS PS510 750025	25 X 0.75	13.8	180	340
CKS PS510 0102	2 X 1.0	5.7	19.2	49
CKS PS510 0103	3 X 1.0	6	28.8	60
CKS PS510 0104	4 X 1.0	6.5	38.4	74
CKS PS510 0105	5 X 1.0	7.1	48	90
CKS PS510 0107	7 X 1.0	8	67.2	118
CKS PS510 01010	10 X 1.0	10.2	86	184
CKS PS510 01012	12 X 1.0	10.5	115.2	204
CKS PS510 01018	18 X 1.0	12.7	172.8	303
CKS PS510 01025	25 X 1.0	14.7	240	412
CKS PS510 5102	2 X 1.5	6.3	28.8	64
CKS PS510 5103	3 G 1.5	6.7	43.2	81
CKS PS510 5104	4 X 1.5	7.2	57.6	99
CKS PS510 5105	5 X 1.5	8.1	72	125

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS510 5107	7 X 1.5	8.9	100.8	161
CKS PS510 51012	12 X 1.5	12	172.8	286
CKS PS510 51018	18 X 1.5	14.4	259.2	419
CKS PS510 51025	25 X 1.5	16.9	360	580
CKS PS510 5203	3 X 2.5	8.1	72	125
CKS PS510 5204	4 X 2.5	8.9	96	158
CKS PS510 5205	5 X 2.5	10	120	198
CKS PS510 5207	7 X 2.5	11.1	168	259
CKS PS510 52012	12 X 2.5	14.8	288	454
CKS PS510 0404	4 X 4.0	10.8	153.6	241
CKS PS510 0405	5 X 4.0	12.1	192	302
CKS PS510 0407	7 X 4.0	13.4	268.8	394
CKS PS510 0604	4 X 6.0	13	230.4	356
CKS PS510 0605	5 X 6.0	14.5	288	443
CKS PS510 0607	7 X 6.0	16	403.2	579
CKS PS510 01004	4 X 10.0	16.2	384	571
CKS PS510 01005	5 X 10.0	18.1	480	714
CKS PS510 01007	7 X 10.0	20	672	935
CKS PS510 01604	4 X 16.0	18.8	614.4	843