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## CKS SAPFLEX PS529

Highly flexible control cable with PVC core insulation and PVC sheath



CKS Sapflex PS529- Power and control cable for versatile use in power chains

Basic Line Performance - Moderate travel lengths or acceleration

### ADVANTAGES

- Good combination of quality and price
- 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
- Suitable for use in measuring, control and regulating circuits
- Wiring of machines, tools, devices, appliances and control cabinets
- Assembly lines, production lines, in all kinds of machines

### PRODUCT FEATURES

- Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)
- Flammability: UL/CSA: VW-1, FT1 IEC/EN: 60332-1-2
- Low-adhesive surface

### PRODUCT MAKE-UP

- Fine-wire, bare copper strand
- Core insulation: PVC
- Cores twisted in layers
- Non-woven wrapping
- PVC 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	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Torsion movement in WTC	TW-0 & TW-1, refer to Appendix T0
Minimum bending radius	Flexing: up from 10 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	VDE: U0/U: 300/500 V UL & CSA: 1000 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Flexing: 0°C to +70°C (UL/CSA: +80°C) Fixed installation: -40°C to +70°C (UL/CSA +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 PS529</b>				
CKS PS529 5002	2 X 0.5	5.2	10	40
CKS PS529 5003	3 G 0.5	5.5	15	48
CKS PS529 5004	4 G 0.5	6	20	58
CKS PS529 5005	5 G 0.5	6.5	24	67
CKS PS529 5007	7 G 0.5	7.7	34	88
CKS PS529 50012	12 G 0.5	9.2	58	136
CKS PS529 50018	18 G 0.5	11	87	195
CKS PS529 50025	25 G 0.5	13.3	120	274
CKS PS529 57002	2 X 0.75	5.6	15	49
CKS PS529 57003	3 G 0.75	6	22	60
CKS PS529 57004	4 G 0.75	6.5	29	73
CKS PS529 57005	5 G 0.75	7.1	37	86
CKS PS529 57007	7 G 0.75	8.5	51	117
CKS PS529 570012	12 G 0.75	10.3	87	181
CKS PS529 570018	18 G 0.75	12.2	130	259
CKS PS529 570025	25 G 0.75	14.8	181	363
CKS PS529 0102	2 X 1.0	5.9	19	58
CKS PS529 0103	3 G 1.0	6.3	29	72
CKS PS529 0104	4 G 1.0	6.9	39	88
CKS PS529 0105	5 G 1.0	7.5	48	104
CKS PS529 0107	7 G 1.0	9	67	142
CKS PS529 01012	12 G 1.0	10.9	115	221
CKS PS529 01018	18 G 1.0	13.2	173	324
CKS PS529 01025	25 G 1.0	15.7	240	445
CKS PS529 5102	2 X 1.5	6.5	29	74
CKS PS529 5103	3 G 1.5	6.9	43.2	93
CKS PS529 5104	4 G 1.5	7.6	58	114
CKS PS529 5105	5 G 1.5	8.5	72	139
CKS PS529 5107	7 G 1.5	10.3	101	189
CKS PS529 51012	12 G 1.5	12.3	173	295
CKS PS529 51018	18 G 1.5	14.9	259	429
CKS PS529 51025	25 G 1.5	17.9	360	597
CKS PS529 5203	3 G 2.5	8.4	72	145

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS529 5204	4 G 2.5	9.3	96	179
CKS PS529 5207	7 G 2.5	12.7	168	218
CKS PS529 0104	4 G 4.0	11.1	160	266