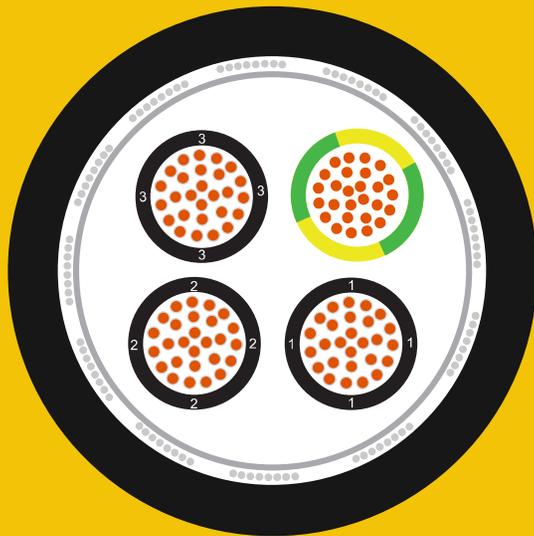




31

CKS SAPFLEX PS530 SC

Highly flexible, screened control cable with PVC core insulation and PVC sheath



CKS Sapflex PS530 SC- Screened power and control cable for versatile use in power chains

Basic Line Performance - Moderate travel lengths or acceleration
EMC compliant copper screening

ADVANTAGES

- Good combination of quality and price
- Thin and light, without inner sheath
- Multi-standard certification reduces part varieties and saves costs
- Certified for the export-oriented machine, appliance and apparatus manufacturers
- Copper screening complies with EMC requirements and protects against electromagnetic interference



APPLICATION RANGE

- In power chains or moving machine parts
- In EMC-sensitive environments
- Suitable for use in measuring, control and regulating circuits
- Wiring of machines, tools, devices, appliances and control cabinets
- Assembly and production lines

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
- EMC-compliant
- Low-adhesive surface

PRODUCT MAKE-UP

- Fine-wire, bare copper strand
- Core insulation: PVC
- Cores twisted in layers
- Non-woven wrapping
- Tinned-copper braiding
- 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	Core/core: 4000 V Core/screen: 2000 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 ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS SAPFLEX PS530 SC				
CKS PS530 5002	2 X 0.5	5.8	36	45
CKS PS530 5003	3 X 0.5	6.1	43	59
CKS PS530 5004	4 X 0.5	6.6	49	83
CKS PS530 5005	5 X 0.5	7.1	57	96
CKS PS530 5007	7 X 0.5	8.5	69	136
CKS PS530 50012	12 X 0.5	10	104	200
CKS PS530 50018	18 X 0.5	11.8	141	275
CKS PS530 50025	25 X 0.5	14.1	211	350
CKS PS530 75002	2 X 0.75	6.2	43	56
CKS PS530 75003	3 X 0.75	6.6	52	70
CKS PS530 75004	4 X 0.75	7.1	61	95
CKS PS530 75005	5 X 0.75	7.7	72	130
CKS PS530 75007	7 X 0.75	9.1	89	168
CKS PS530 750012	12 X 0.75	10.9	138	232
CKS PS530 750018	18 X 0.75	13	211	315
CKS PS530 750025	25 X 0.75	15.6	280	435
CKS PS530 0102	2 X 1.0	6.5	51	84
CKS PS530 0103	3 X 1.0	6.9	62	110
CKS PS530 0104	4 X 1.0	7.5	74	130
CKS PS530 0105	5 X 1.0	8.3	88	156
CKS PS530 0107	7 X 1.0	9.8	112	192
CKS PS530 01012	12 X 1.0	11.7	185	285
CKS PS530 01018	18 X 1.0	14	268	395
CKS PS530 01025	25 X 1.0	16.7	354	486
CKS PS530 5102	2 X 1.5	7.1	65	97
CKS PS530 5103	3 X 1.5	7.5	82	125
CKS PS530 5104	4 X 1.5	8.4	100	165
CKS PS530 5105	5 X 1.5	9.1	119	193
CKS PS530 5107	7 X 1.5	10.9	154	245
CKS PS530 51012	12 X 1.5	13.3	268	365
CKS PS530 51018	18 X 1.5	15.7	373	553
CKS PS530 51025	25 X 1.5	18.7	530	734
CKS PS530 5203	3 X 2.5	9	118	188

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS530 5204	4 X 2.5	10.1	147	236
CKS PS530 5207	7 X 2.5	13.5	253	340
CKS PS530 0404	4 X 4.0	11.9	248	305