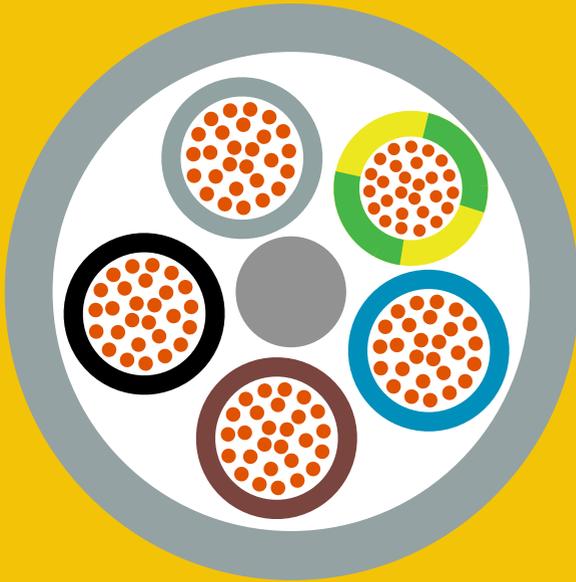




01

CKS SAPFLEX PS500

Colour-coded PVC power and control cable



CKS Sapflex PS500 - flexible PVC cable, colour coded, power and control cable for various applications, 450/750V, also for YSLY or YY.

For nominal voltage U_0/U : 300/500V and conductor cross-sections below $2,5\text{mm}^2$ see CKS Sapflex PS 500 300/500V.

ADVANTAGES

High electrical performance due to 4 kV test voltage.
High flexibility due to short-twisted conductor layers.



APPLICATION RANGE

Plant engineering
Industrial machinery
Heating and air-conditioning systems
Power stations
Dry or damp rooms that are subject to medium mechanical loads
For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

PRODUCT FEATURES

Flame-retardant according IEC 60332-1-2
Good chemical resistance

PRODUCT MAKE-UP

Fine-wire strand made of bare copper wires
PVC insulation
Cores twisted in layers
PVC outer sheath

TECHNICAL DATA

Classification ETIM 5	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
Conductor stranding	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	Up to 1.5 mm^2 : U_0/U : 300/500 V From 2.5 mm^2 : U_0/U : 450/750 V From 2.5 mm^2 , in the case of fixed and protected installations: U_0/U : 600/1000 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -5°C to $+70^\circ\text{C}$ Fixed installation: -40°C to $+80^\circ\text{C}$

ELECTRICAL INFORMATION



Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS SAPFLEX PS500 U / U : 300/500 V				
CKS PS500 5002	2 X 0.5	4.8	9.6	35
CKS PS500 5003	3 X 0.5	5.1	14.4	42
CKS PS500 5004	4 X 0.5	5.7	19.2	54
CKS PS500 5005	5 X 0.5	6.2	24	63
CKS PS500 5006	6 X 0.5	6.7	28.8	73
CKS PS500 5007	7 X 0.5	6.7	33.6	81
CKS PS500 5008	8 X 0.5	8	38.4	97
CKS PS500 50010	10 X 0.5	8.6	48	116
CKS PS500 50012	12 X 0.5	8.9	58	133
CKS PS500 50014	14 X 0.5	9.5	67	151
CKS PS500 50016	16 X 0.5	10	76	169
CKS PS500 50021	21 X 0.5	11.7	99	223
CKS PS500 50024	24 X 0.5	12.4	114	254
CKS PS500 50040	40 X 0.5	15.4	192	404
CKS PS500 75002	2 X 0.75	5.4	14.4	45
CKS PS500 75003	3 X 0.75	5.7	21.6	55
CKS PS500 75004	4 X 0.75	6.2	28.8	66
CKS PS500 75005	5 X 0.75	6.7	36	79
CKS PS500 75006	6 X 0.75	7.3	43.3	104
CKS PS500 75007	7 X 0.75	7.3	50.4	109
CKS PS500 75008	8 X 0.75	8.8	56	123
CKS PS500 75009	9 X 0.75	9.4	63	144
CKS PS500 750010	10 X 0.75	9.6	72	153
CKS PS500 750012	12 X 0.75	9.9	86.4	176
CKS PS500 750015	15 X 0.75	10.9	108	211
CKS PS500 750018	18 X 0.75	11.7	129.6	268
CKS PS500 750021	21 X 0.75	13	151	293
CKS PS500 750025	25 X 0.75	13.8	180	374
CKS PS500 750040	40 X 0.75	17.3	288	571
CKS PS500 750050	50 X 0.75	19.2	360	698
CKS PS500 0102	2 X 1.0	5.7	19.2	53
CKS PS500 0103	3 X 1.0	6	28.8	65
CKS PS500 0104	4 X 1.0	6.5	38.4	79
CKS PS500 0105	5 X 1.0	7.1	48	94
CKS PS500 0106	6 X 1.0	8	58	124

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS500 0107	7 X 1.0	8	67	131
CKS PS500 0108	8 X 1.0	9.5	77	146
CKS PS500 01010	10 X 1.0	10.2	96	183
CKS PS500 01012	12 X 1.0	10.5	115	215
CKS PS500 01016	16 X 1.0	11.8	154	282
CKS PS500 01018	18 X 1.0	12.7	173	315
CKS PS500 01020	20 X 1.0	13.4	192	350
CKS PS500 01025	25 X 1.0	14.7	240	449
CKS PS500 5102	2 X 1.5	6.3	28.8	68
CKS PS500 5103	3 X 1.5	6.7	43.2	84
CKS PS500 5104	4 X 1.5	7.2	57.6	104
CKS PS500 5105	5 X 1.5	8.1	72	128
CKS PS500 5107	7 X 1.5	8.9	101	166
CKS PS500 5108	8 X 1.5	10.6	115	205
CKS PS500 51012	12 X 1.5	12	173	307
CKS PS500 51014	14 X 1.5	12.7	202	349
CKS PS500 51018	18 X 1.5	14.4	259	465
CKS PS500 51025	25 X 1.5	16.9	360	655
CKS SAPFLEX PS500 U₀/U : 450/750 V				
CKS PS500 5202	2 X 2.5	7.5	48	100
CKS PS500 5203	3 X 2.5	8.1	72	132
CKS PS500 5204	4 X 2.5	8.9	96	163
CKS PS500 5205	5 X 2.5	10	120	200
CKS PS500 5207	7 X 2.5	11.1	168	267
CKS PS500 0402	2 X 4.0	9.2	77	160
CKS PS500 0403	3 X 4.0	9.9	115.2	201
CKS PS500 0404	4 X 4.0	10.8	153.6	263
CKS PS500 0405	5 X 4.0	12.1	192	315
CKS PS500 0407	7 X 4.0	13.4	269	407
CKS PS500 0603	3 X 6.0	11.7	174	289
CKS PS500 0604	4 X 6.0	13	230	352
CKS PS500 0605	5 X 6.0	14.5	288	470
CKS PS500 0607	7 X 6.0	16	403	600
CKS PS500 01003	3 X 10.0	14.6	288	466
CKS PS500 01004	4 X 10.0	16.2	384	590
CKS PS500 01005	5 X 10.0	18.1	480	722

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS500 01603	3 X 16.0	17	460.8	720
CKS PS500 01604	4 X 16.0	18.8	614.4	1067
CKS PS500 01605	5 X 16.0	21.2	768	1370
CKS PS500 02503	3 X 25.0	21	720	1250
CKS PS500 02504	4 X 25.0	23.5	960	1582
CKS PS500 02505	5 X 25.0	26.4	1200	1998
CKS PS500 03503	3 X 35.0	23.7	1008	1700
CKS PS500 03504	4 X 35.0	26.4	1344	2106
CKS PS500 03505	5 X 35.0	29.6	1680	2635
CKS PS500 05003	3 X 50.0	29.1	1440	2200
CKS PS500 05004	4 X 50.0	32.4	1920	2800
CKS PS500 05005	5 X 50.0	36.5	2400	3600

