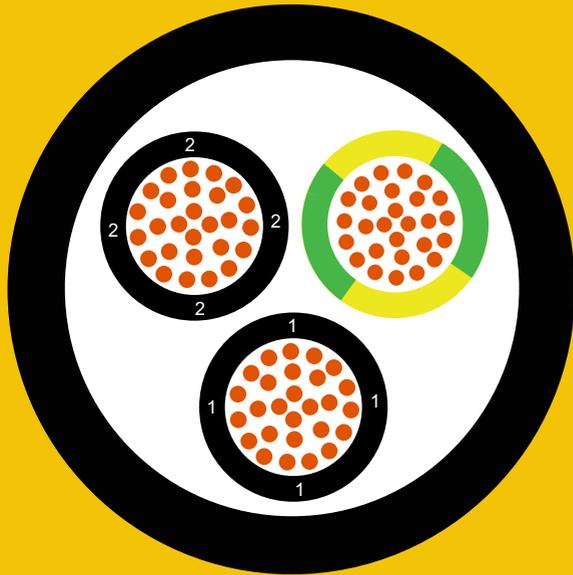




05

CKS SAPFLEX PS504



CKS Sapflex PS504 - Power and control cable for various applications, PVC, conductor class 5, black cores, number coded, outdoors

Good outdoor performance



APPLICATION RANGE

Plant engineering, industrial machinery, heating and air-conditioning systems, power stations, stage applications
 For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
 Each dimension with nominal/ minimum average wall thickness of the outer sheath of at least 1.8 mm: For applications where a strengthened outer sheath may turn out to be advantageous
 Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

PRODUCT FEATURES

Flame-retardant according IEC 60332-1-2
 UV and weather-resistant according to ISO 4892-2
 Ozone-resistant according to EN 50396

PRODUCT MAKE-UP

Fine-wire strand made of bare copper wires
 PVC insulation
 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 WTG	TW-0 & TW-1, refer to Appendix T0
Minimum bending radius	Static/Occ. moved: 4/15xOD*
Nominal voltage	U0/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°C Fixed installation: -40°C to +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 PS504				
CKS PS504 75002	2 X 0.75	8.3	14.4	81
CKS PS504 75003	3 X 0.75	8.7	21.6	93
CKS PS504 75004	4 X 0.75	9.2	29	108
CKS PS504 75005	5 X 0.75	9.9	36	126
CKS PS504 75007	7 X 0.75	10.7	51	162
CKS PS504 750012	12 X 0.75	13.4	86	236
CKS PS504 750018	18 X 0.75	15.4	130	334
CKS PS504 750041	41 X 0.75	21.6	296	713
CKS PS504 0102	2 X 1.0	8.6	19.2	98
CKS PS504 0103	3 X 1.0	9	29	112
CKS PS504 0104	4 X 1.0	9.6	38.4	131
CKS PS504 0105	5 X 1.0	10.4	48	152
CKS PS504 0107	7 X 1.0	11.1	67	196
CKS PS504 01012	12 X 1.0	14	116	286
CKS PS504 01018	18 X 1.0	16.1	173	419
CKS PS504 01025	25 X 1.0	18.6	240	572
CKS PS504 01034	34 X 1.0	21.3	326	764
CKS PS504 01041	41 X 1.0	23.2	394	891
CKS PS504 5102	2 X 1.5	9.6	29	123
CKS PS504 5103	3 X 1.5	10.1	43	144
CKS PS504 5104	4 X 1.5	10.8	58	170
CKS PS504 5105	5 X 1.5	11.7	72	199
CKS PS504 5107	7 X 1.5	12.6	101	261
CKS PS504 51012	12 X 1.5	16.1	173	399
CKS PS504 51014	14 X 1.5	17	202	448
CKS PS504 51018	18 X 1.5	18.8	259	547
CKS PS504 51025	25 X 1.5	21.7	360	770
CKS PS504 51034	34 X 1.5	24.9	490	996
CKS PS504 51050	50 X 1.5	29.8	720	1427
CKS PS504 5202	2 X 2.5	10.8	48	147
CKS PS504 5203	3 X 2.5	11.3	72	182
CKS PS504 5204	4 X 2.5	12.2	96	225
CKS PS504 5205	5 X 2.5	13.3	120	266

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS504 5207	7 X 2.5	14.4	168	354
CKS PS504 52012	12 X 2.5	18.7	288	540
CKS PS504 52014	14 X 2.5	19.8	336	613
CKS PS504 52018	18 X 2.5	22	432	788
CKS PS504 52025	25 X 2.5	25.8	600	1094
CKS PS504 0404	4 X 4.0	13.8	154	324
CKS PS504 0405	5 X 4.0	15.1	192	385
CKS PS504 0407	7 X 4.0	16.4	269	513
CKS PS504 0604	4 X 6.0	15.1	230	442
CKS PS504 0605	5 X 6.0	16.8	288	526
CKS PS504 0607	7 X 6.0	18.2	403	705
CKS PS504 01004	4 X 10.0	18.7	384	707
CKS PS504 01005	5X 10.0	20.7	480	881
CKS PS504 01604	4 X 16.0	21.3	614	1100
CKS PS504 01605	5 G 16.0	23.6	768	1350
CKS PS504 01607	7 G 16.0	26.2	1075	1800
CKS PS504 02504	4 G 25.0	26.2	960	1600
CKS PS504 02505	5 G 25.0	29	1200	2050
CKS PS504 03504	4 G 35.0	29.1	1344	2400
CKS PS504 03505	5 G 35.0	32.5	1680	2900
CKS PS504 05004	4 G 50.0	35.6	1920	3400
CKS PS504 07004	4 G 70.0	40.7	2688	5050
CKS PS504 09504	4 G 95.0	46.8	3648	6010
CKS PS504 012004	4 G 120.0	53.5	4608	7500