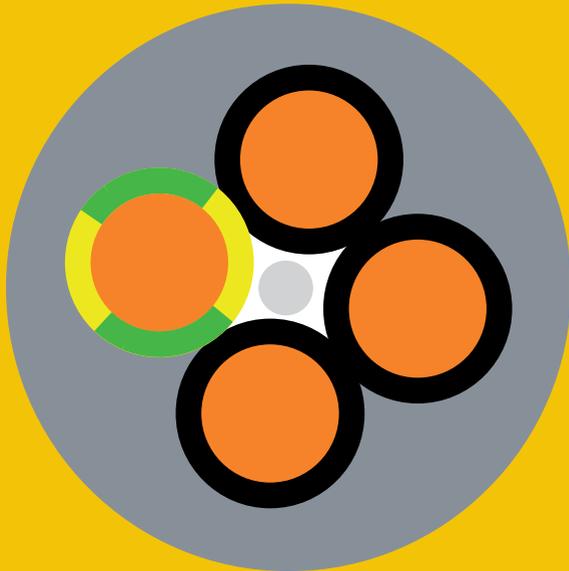




03

CKS SAPFLEX PS502

VDE-registered oil-resistant PVC control cable for a wide range of applications



CKS Sapflex PS502 - PVC control cable, VDE registered, oil resistant and flexible for various applications, 300/500V, also for YSLY or YY.

VDE certificate of conformity with factory surveillance.

ADVANTAGES

Wide choice of standardized lengths and individual cuts
Very broad range, items with up to 100 conductors



APPLICATION RANGE

For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
Dry or damp rooms that are subject to medium mechanical loads
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)
In power chains for a travelling distance up to 5 m and 0,2 ... 1 million bending cycles, for following dimensions: 0,5 to 2.5mm² and 2 to 7 conductors

PRODUCT FEATURES

Flame-retardant according IEC 60332-1-2
Good chemical resistance
Oil-resistant according to DIN EN 50290-2-22 (TM54)

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: 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 DIN EN 60228 (VDE 0295), class 5 / IEC 60228 class 5
Minimum bending radius	Occasional flexing: 10 x outer diameter In power chains: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U0/U: 300/500 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -15°C to +70°C In power chains: -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 PS502				
CKS PS502 5002	2 X 0.5	4.8	9.6	35
CKS PS502 5003	3 X 0.5	5.1	14.4	42
CKS PS502 5004	4 X 0.5	5.7	19.2	54
CKS PS502 5005	5 X 0.5	6.2	24	63
CKS PS502 5007	7 X 0.5	6.7	33.6	81
CKS PS502 50010	10 X 0.5	8.6	48	116
CKS PS502 50012	12 X 0.5	8.9	58	131
CKS PS502 50014	14 X 0.5	9.5	67	153
CKS PS502 50018	18 X 0.5	10.5	86.4	188
CKS PS502 50021	21 X 0.5	11.7	101	221
CKS PS502 50025	25 X 0.5	12.4	120	261
CKS PS502 50030	30 X 0.5	13.3	144	304
CKS PS502 50035	35 X 0.5	14.5	168	356
CKS PS502 50040	40 X 0.5	15.4	192	400
CKS PS502 50052	52 X 0.5	17.3	250	517
CKS PS502 50061	61 X 0.5	18.5	293	603
CKS PS502 50065	65 X 0.5	19.6	312	644
CKS PS502 50080	80 X 0.5	21.1	384	780
CKS PS502 500100	100 X 0.5	23.6	480	975
CKS PS502 75002	2 X 0.75	5.4	14.4	45
CKS PS502 75003	3 X 0.75	5.7	21.6	55
CKS PS502 75004	4 X 0.75	6.2	28.8	66
CKS PS502 75005	5 X 0.75	6.7	36	79
CKS PS502 75007	7 X 0.75	7.3	50	101
CKS PS502 75009	9 X 0.75	9.4	65	137
CKS PS502 750010	10 X 0.75	9.6	72	150
CKS PS502 750012	12 X 0.75	9.9	86	171
CKS PS502 750015	15 X 0.75	10.9	108	209
CKS PS502 750016	16 X 0.75	11.1	115.2	220
CKS PS502 750018	18 X 0.75	11.7	130	244
CKS PS502 750021	21 X 0.75	13	151	286
CKS PS502 750025	25 X 0.75	13.8	180	337
CKS PS502 750026	26 X 0.75	14.2	187.2	350

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS502 750034	34 X 0.75	15.9	245	448
CKS PS502 750041	41 X 0.75	17.4	296	538
CKS PS502 750050	50 X 0.75	19.2	360	648
CKS PS502 750051	51 X 0.75	19.2	367	646
CKS PS502 750061	61 X 0.75	20.5	439	779
CKS PS502 750065	65 X 0.75	21.8	468	832
CKS PS502 750080	80 X 0.75	23.6	576	1019
CKS PS502 7500100	100 X 0.75	26.4	718	1271
CKS PS502 0102	2 X 1.0	5.7	19.2	53
CKS PS502 0103	3 X 1.0	6	28.8	65
CKS PS502 0104	4 X 1.0	6.5	38.4	79
CKS PS502 0105	5 X 1.0	7.1	48	94
CKS PS502 0106	6 X 1.0	8	58	113
CKS PS502 0107	7 X 1.0	8	67	126
CKS PS502 0108	8 X 1.0	9.5	77	149
CKS PS502 0109	9 X 1.0	10	86	164
CKS PS502 01010	10 X 1.0	10.2	96	180
CKS PS502 01012	12 X 1.0	10.5	115	205
CKS PS502 01014	14 X 1.0	11.2	134	238
CKS PS502 01016	16 X 1.0	11.8	153.6	266
CKS PS502 01018	18 X 1.0	12.7	173	320
CKS PS502 010120	20 X 1.0	13.4	192	330
CKS PS502 01025	25 X 1.0	14.7	240	408
CKS PS502 01026	26 X 1.0	15.1	249	424
CKS PS502 01034	34 X 1.0	17.1	326	551
CKS PS502 01036	36 X 1.0	17.4	346	578
CKS PS502 01041	41 X 1.0	18.8	394	661
CKS PS502 01050	50 X 1.0	20.6	480	797
CKS PS502 01056	56 X 1.0	21.4	538	888
CKS PS502 01061	61 X 1.0	22.1	586	958
CKS PS502 01065	65 X 1.0	23.6	624	1033
CKS PS502 01080	80 X 1.0	25.3	768	1251
CKS PS502 010100	100 X 1.0	28.3	960	1560
CKS PS502 5102	2 X 1.5	6.3	29	68

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS502 5103	3 X 1.5	6.7	43	84
CKS PS502 5104	4 X 1.5	7.2	58	104
CKS PS502 5105	5 X 1.5	8.1	72	128
CKS PS502 5106	6 X 1.5	8.4	86.4	157
CKS PS502 5107	7 X 1.5	8.9	101	166
CKS PS502 5108	8 X 1.5	10.6	116	210
CKS PS502 5109	9 X 1.5	11.4	130	221
CKS PS502 51010	10 X 1.5	11.6	143	243
CKS PS502 51011	11 X 1.5	11.6	158	258
CKS PS502 51012	12 X 1.5	12	173	279
CKS PS502 51014	14 X 1.5	12.7	202	323
CKS PS502 51016	16 X 1.5	13.4	230.4	361
CKS PS502 51018	18 X 1.5	14.4	259	407
CKS PS502 51021	21 X 1.5	15.7	302	469
CKS PS502 51025	25 X 1.5	16.9	360	560
CKS PS502 51026	26 X 1.5	17.3	374.4	582
CKS PS502 51036	32 X 1.5	18.7	461	704
CKS PS502 51034	34 X 1.5	19.4	490	746
CKS PS502 51041	41 X 1.5	21.3	591	895
CKS PS502 51050	50 X 1.5	23.5	720	1089
CKS PS502 51061	61 X 1.5	25.2	878	1309
CKS PS502 51065	65 X 1.5	26.7	936	1398
CKS PS502 5202	2 X 2.5	7.5	48	101
CKS PS502 5203	3 X 2.5	8.1	72	132
CKS PS502 5204	4 X 2.5	8.9	96	163
CKS PS502 5205	5 X 2.5	10	120	200
CKS PS502 5207	7 X 2.5	11.1	168	267
CKS PS502 52012	12 X 2.5	14.8	288	445
CKS PS502 52014	14 X 2.5	15.8	336	515
CKS PS502 52018	18 X 2.5	17.8	432	648
CKS PS502 52025	25 X 2.5	20.8	600	890
CKS PS502 52034	34 X 2.5	24.4	816	1208
CKS PS502 52050	50 X 2.5	29.4	1200	1754
CKS PS502 0403	3 X 4.0	9.9	115	201

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS502 0404	4 X 4.0	10.8	154	249
CKS PS502 0405	5 X 4.0	12.1	192	294
CKS PS502 0407	7 X 4.0	13.4	269	407
CKS PS502 04011	11 X 4.0	17.6	422	634
CKS PS502 04012	12 X 4.0	18.1	461	660
CKS PS502 0603	3 X 6.0	11.7	172.8	289
CKS PS502 0604	4 X 6.0	13	230	365
CKS PS502 0605	5 X 6.0	14.5	288	447
CKS PS502 0607	7 X 6.0	16	403	600
CKS PS502 01003	3 X 10.0	14.6	288	466
CKS PS502 01004	4 X 10.0	16.2	384	590
CKS PS502 01005	5 X 10.0	18.1	480	722
CKS PS502 01007	7 X 10.0	20	672	968
CKS PS502 01604	4 X 16.0	18.8	614	1087
CKS PS502 01605	5 X 16.0	21.2	768	1370
CKS PS502 01607	7 X 16.0	23.4	1075	1779
CKS PS502 02504	4 X 25.0	23.5	960	1582
CKS PS502 02505	5 X 25.0	26.4	1200	1998
CKS PS502 02507	7 X 25.0	29.1	1680	2825
CKS PS502 03504	4 X 35.0	26.4	1344	2106
CKS PS502 03505	5 X 35.0	29.6	1680	2635