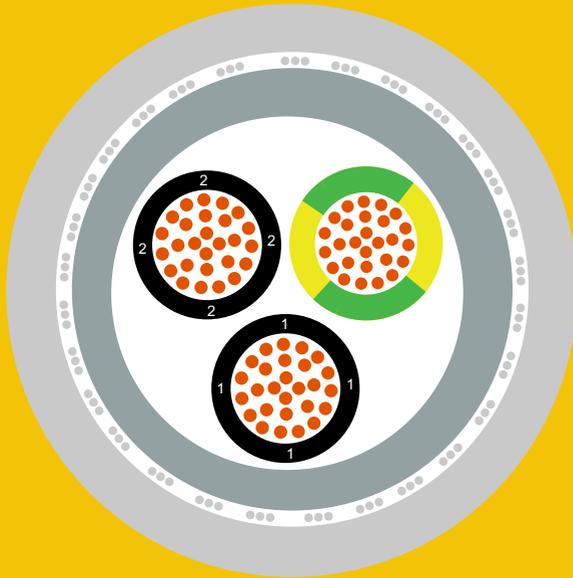




04

CKS SAPFLEX PS503 SH

Screened PVC control cable with transparent outer sheath



CKS Sapflex PS503 SH - PVC control cable, VDE registered, screened, flexible and numbered for various applications, U₀/U: 300/500V.

EMC-compliant

ADVANTAGES

Space-saving installation due to small cable diameters
High electrical performance due to 4 kV test voltage



APPLICATION RANGE

Plant engineering
Industrial machinery
Heating and air-conditioning systems
Conveyor and transport systems
In EMC-sensitive environments
(electromagnetic compatibility)

PRODUCT FEATURES

Flame-retardant according IEC 60332-1-2
Good chemical resistance
High degree of screening
low transfer impedance
(max. 250 Ω/km at 30 MHz)

PRODUCT MAKE-UP

Fine-wire strand made of bare copper wires
PVC insulation
Cores twisted in layers
PVC inner sheath
Tinned-copper braiding
PVC outer sheath, transparent

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
Minimum bending radius	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	U ₀ /U: 300/500 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 PS503 SH				
CKS PS503 5002	2 X 0.5	7	41	75
CKS PS503 5003	3 X 0.5	7.3	45.5	83
CKS PS503 5004	4 X 0.5	7.9	55	99
CKS PS503 5005	5 X 0.5	8.4	66	112
CKS PS503 5007	7 X 0.5	8.9	80.5	132
CKS PS503 50012	12 X 0.5	11.3	138.5	202
CKS PS503 50018	18 X 0.5	13.3	156.4	289
CKS PS503 50025	25 X 0.5	15.2	250	378
CKS PS503 50030	30 X 0.5	16.1	297	429
CKS PS503 50040	40 X 0.5	18.2	343	542
CKS PS503 75002	2 X 0.75	7.4	46	86
CKS PS503 75003	3 X 0.75	7.9	57.9	100
CKS PS503 75002	4 X 0.75	8.4	64	115
CKS PS503 75005	5 X 0.75	8.9	77.4	130
CKS PS503 75007	7 X 0.75	9.7	102	161
CKS PS503 750012	12 X 0.75	12.3	177	247
CKS PS503 750018	18 X 0.75	14.5	243	356
CKS PS503 750025	25 X 0.75	16.6	307.3	465
CKS PS503 750034	34 X 0.75	18.9	323.2	601
CKS PS503 750040	40 X 0.75	20.5	369.4	734
CKS PS503 750041	41 X 0.75	20.6	488	728
CKS PS503 0102	2 X 1.0	7.9	56	98
CKS PS503 0103	3 X 1.0	8.2	65.3	111
CKS PS503 0104	4 X 1.0	8.7	78.1	130
CKS PS503 0105	5 X 1.0	9.5	89.4	153
CKS PS503 0107	7 X 1.0	10.2	113.3	185
CKS PS503 01012	12 X 1.0	13.3	188.1	307
CKS PS503 01016	16 X 1.0	14.6	216	390
CKS PS503 01018	18 X 1.0	15.5	286	418
CKS PS503 01025	25 X 1.0	17.5	388.5	544
CKS PS503 01034	34 X 1.0	20.3	505	738
CKS PS503 01041	41 X 1.0	22	578	864
CKS PS503 01050	50 X 1.0	23.8	688	1011

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS503 5102	2 X 1.5	8.5	65	117
CKS PS503 5103	3 X 1.5	8.9	83	136
CKS PS503 5104	4 X 1.5	9.6	100	163
CKS PS503 5105	5 X 1.5	10.3	125	188
CKS PS503 5107	7 X 1.5	11.3	149	237
CKS PS503 51012	12 X 1.5	14.8	280	393
CKS PS503 51018	18 X 1.5	17.2	389	538
CKS PS503 51025	25 X 1.5	20.1	535	745
CKS PS503 51035	34 X 1.5	22.8	702	964
CKS PS503 51041	41 X 1.5	24.7	844.6	1123
CKS PS503 51050	50 X 1.5	27.1	1006	1372
CKS PS503 5202	2 X 2.5	9.9	112	165
CKS PS503 5203	3 X 2.5	10.3	146	192
CKS PS503 5204	4 X 2.5	11.3	167	233
CKS PS503 5205	5 X 2.5	12.6	200	283
CKS PS503 5207	7 X 2.5	13.9	288	371
CKS PS503 52012	12 X 2.5	17.6	477.3	585
CKS PS503 0402	2 X 4.0	11.4	120	247
CKS PS503 0404	4 X 4.0	13.4	237	347
CKS PS503 0405	5 X 4.0	14.7	280	413
CKS PS503 0602	2 X 6.0	13.6	180	353
CKS PS503 0604	4 X 6.0	15.8	318	485
CKS PS503 0605	5 X 6.0	17.3	441	702
CKS PS503 0607	7 X 6.0	18.8	530	950
CKS PS503 01002	2 X 10.0	16.4	256	492
CKS PS503 01003	3 X 10.0	17.4	362.4	507
CKS PS503 01004	4 X 10.0	19	518	735
CKS PS503 01005	5 X 10.0	21.3	595	847
CKS PS503 01007	7 X 10.0	23.2	796	1039
CKS PS503 01602	2 X 16.0	18.6	390	698
CKS PS503 01604	4 X 16.0	22.2	804	1395
CKS PS503 01605	5 X 16.0	24.4	935	1440
CKS PS503 02504	4 X 25.0	26.9	1161	1730
CKS PS503 02505	5 X 25.0	30	1400	2090
CKS PS503 03504	4 X 35.0	30.2	1543	2210
CKS PS503 03505	5 X 35.0	33.2	1901	2710