



25

CKS SAPFLEX PS524 SC

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



CKS Sapflex PS524 SC - Screened power and control cable for versatile use in power chains

Core Line Performance - Medium to increased travel lengths or acceleration

The classic for multi-functional use

EMC-compliant

ADVANTAGES

Well-proven and reliable

For various applications

Good combination of quality and price

Additional robustness thanks to inner sheath

Copper screening complies with EMC requirements and protects against electromagnetic interference

APPLICATION RANGE

In power chains or moving machine parts
 Suitable for use in measuring, control and regulating circuits
 Power circuits for electrical equipments used in automation engineering
 Assembly lines, production lines, in all kinds of machines
 Only for outdoor use within the indicated operating temperature range, with UV-protection

PRODUCT FEATURES

Flame-retardant according IEC 60332-1-2
 Low-adhesive surface
 EMC-compliant

PRODUCT MAKE-UP

Extra-fine wire strand made of bare copper wires (class 6)
 Core insulation: PVC
 Cores twisted in layers in short lay lengths
 PVC inner sheath, grey
 Tinned-copper braiding
 Non-woven wrapping
 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	Extra-fine wire acc. to VDE 0295, class 6/ IEC 60228 class 6
Minimum bending radius	Flexing: up from 7.5 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	Flexing: 0°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 PS524 SC				
CKS PS524 5002	2 X 0.5	6.9	33	74
CKS PS524 5003	3 X 0.5	7.3	39	84
CKS PS524 5004	4 X 0.5	7.9	46	98
CKS PS524 5005	5 X 0.5	8.4	54	110
CKS PS524 5007	7 X 0.5	9.8	70	143
CKS PS524 50012	12 X 0.5	11.3	100	201
CKS PS524 50018	18 X 0.5	13.4	153	287
CKS PS524 50025	25 X 0.5	15.9	202	394
CKS PS524 50030	30 X 0.5	16.5	228	432
CKS PS524 75002	2 X 0.75	7.3	39	85
CKS PS524 75003	3 X 0.75	7.8	48	99
CKS PS524 75004	4 X 0.75	8.4	59	116
CKS PS524 75005	5 X 0.75	9	69	133
CKS PS524 75007	7 X 0.75	10.7	90	178
CKS PS524 750012	12 X 0.75	12.4	129	253
CKS PS524 750018	18 X 0.75	14.9	205	368
CKS PS524 750025	25 X 0.75	17.4	271	496
CKS PS524 750030	30 X 0.75	18	320	549
CKS PS524 0102	2 X 1.0	7.7	46	97
CKS PS524 0103	3 X 1.0	8.2	57	114
CKS PS524 0104	4 X 1.0	8.9	70	134
CKS PS524 0105	5 X 1.0	9.8	81	159
CKS PS524 0107	7 X 1.0	11.4	110	207
CKS PS524 01012	12 X 1.0	13.4	182	314
CKS PS524 01018	18 X 1.0	16.1	254	443
CKS PS524 01025	25 X 1.0	18.8	365	612
CKS PS524 01026	26 X 1.0	18.8	374	625
CKS PS524 01034	34 X 1.0	21.5	463	787
CKS PS524 01041	41 X 1.0	23.2	542	918
CKS PS524 01050	50 X 1.0	25.3	640	1120
CKS PS524 5102	2 X 1.5	8.4	58	117
CKS PS524 5103	3 X 1.5	9	75	139
CKS PS524 5105	5 X 1.5	10.9	112	201
CKS PS524 5107	7 X 1.5	12.7	145	262
CKS PS524 51012	12 X 1.5	15.1	247	404

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS524 51016	16 X 1.5	16.8	314	503
CKS PS524 51018	18 X 1.5	17.8	348	560
CKS PS524 51025	25 X 1.5	21.2	498	793
CKS PS524 51034	34 X 1.5	23.9	700	1005
CKS PS524 5203	3 X 2.5	10.8	119	207
CKS PS524 5204	4 X 2.5	11.8	161	247
CKS PS524 5205	5 X 2.5	13.2	194	307
CKS PS524 5207	7 X 2.5	15.8	262	418
CKS PS524 0404	4 X 4.0	13.7	238	360
CKS PS524 0405	5 X 4.0	15.3	280	436
CKS PS524 0604	4 X 6.0	16.1	318	514
CKS PS524 01004	4 X 10.0	20.2	521	824
CKS PS524 01604	4 X 16.0	23.6	780	1207