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CKS SAPFLEX PS532 SC

Highly flexible, screened control cable with PVC insulation, inner sheath and abrasion and oil resistant PUR jacket



CKS Sapflex PS532 SC - Screened power and control cable for versatile use in power chains in harsh environmental conditions
 Core Line Performance - Medium to increased travel lengths or acceleration
 Oil resistant and abrasion-proof
 EMC compliant copper screening

ADVANTAGES

- Well-proven and reliable
- Various applications
- Increased durability under harsh conditions thanks to robust PUR outer sheath
- Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
- Additional robustness thanks to inner sheath
- Copper braiding screens the cable against electromagnetic interference



APPLICATION RANGE

In power chains or moving machine parts
 Particularly in wet areas of machine tools and transfer lines
 Power circuits for electrical equipments used in automation engineering
 Suitable for use in measuring, control and regulating circuits
 In dry, damp or wet interiors with normal mechanical stress conditions

PRODUCT FEATURES

- Flame-retardant
- High oil-resistance
- Abrasion and notch-resistant
- EMC-compliant
- Low-adhesive surface

PRODUCT MAKE-UP

- Extra-fine wire strand made of bare copper wires (class 6)
- Core insulation: PVC
- Cores twisted in short lay lengths
- Non-woven wrapping
- PVC inner sheath
- Tinned-copper braiding
- PUR 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: -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 PS532SC				
CKS PS532 5002	2 X 0.5	6.9	33	70
CKS PS532 5003	3 X 0.5	7.3	39	80
CKS PS532 5004	4 X 0.5	7.9	46	94
CKS PS532 5005	5 X 0.5	8.4	54	106
CKS PS532 5007	7 X 0.5	9.8	70	138
CKS PS532 50012	12 X 0.5	11.3	100	194
CKS PS532 75002	2 X 0.75	7.3	39	81
CKS PS532 75003	3 X 0.75	7.8	48	95
CKS PS532 75004	4 X 0.75	8.4	59	111
CKS PS532 75005	5 X 0.75	9	69	128
CKS PS532 75007	7 X 0.75	10.7	90	171
CKS PS532 750012	12 X 0.75	12.4	129	244
CKS PS532 750016	16 X 0.75	14.2	186	328
CKS PS532 750018	18 X 0.75	14.9	205	356
CKS PS532 750025	25 X 0.75	17.4	271	479
CKS PS532 0102	2 X 1.0	7.7	46	93
CKS PS532 0103	3 X 1.0	8.2	57	109
CKS PS532 0104	4 X 1.0	8.9	70	129
CKS PS532 0105	5 X 1.0	9.8	81	154
CKS PS532 0107	7 X 1.0	11.4	110	200
CKS PS532 01012	12 X 1.0	13.4	182	304
CKS PS532 01018	18 X 1.0	16.1	254	429
CKS PS532 01025	25 X 1.0	18.8	365	593
CKS PS532 5102	2 X 1.5	8.4	58	112
CKS PS532 5103	3 X 1.5	9	75	133
CKS PS532 5104	4 X 1.5	9.9	91	163
CKS PS532 5105	5 X 1.5	10.9	112	193
CKS PS532 5107	7 X 1.5	12.7	145	252
CKS PS532 51012	12 X 1.5	15.1	247	391
CKS PS532 51018	18 X 1.5	17.8	348	542
CKS PS532 51025	25 X 1.5	21.2	498	767
CKS PS5132 5203	3 X 2.5	10.8	119	199
CKS PS532 5204	4 X 2.5	11.8	161	238
CKS PS532 5205	5 X 2.5	13.2	194	297
CKS PS532 5207	7 X 2.5	15.8	262	403

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS532 52012	12 X 2.5	18.2	410	589
CKS PS532 52014	14 X 2.5	19.8	490	702
CKS PS532 0404	4 X 4.0	13.7	238	349
CKS PS532 0604	4 X 6.0	16.1	318	499
CKS PS532 0605	5 X 6.0	17.7	410	596
CKS PS532 01004	4 X 10.0	20.2	521	842
CKS PS532 01604	4 X 16.0	23.6	780	1173