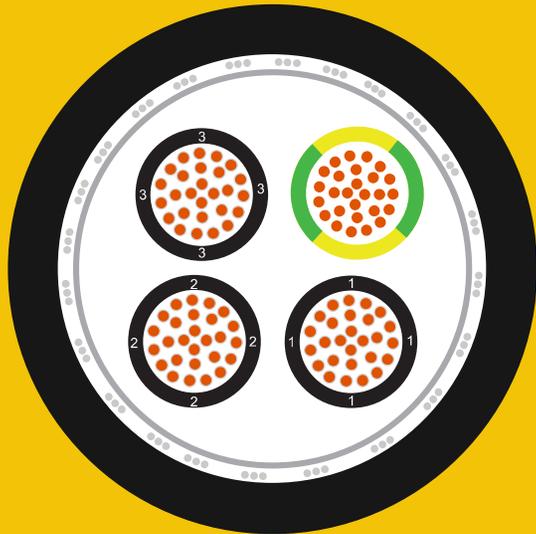




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CKS SAPFLEX PS540 SC

Halogen-free, highly flexible and screened control cable with abrasion and oil resistant PUR sheath



CKS Sapflex PS540 SC -Halogen-free and screened power and control cable for power chain use in harsh conditions
 Extended Line Performance - Long travel lengths or high acceleration
 EMC compliant copper screening

ADVANTAGES

- Allows much faster speed and accelerations which increases the economic efficiency of the machines
- 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
- Wide temperature range for applications in harsh climatic environments



Multi-standard certification reduces part varieties and saves costs
 Copper screening complies with EMC requirements and protects against electromagnetic interference

APPLICATION RANGE

- In power chains or moving machine parts
- Particularly in wet areas of machine tools and transfer lines
- For use in assembling & pick-and-place machinery
- Assembly lines, production lines, in all kinds of machines
- In EMC-sensitive environments
- For indoor and outdoor use

PRODUCT FEATURES

- Good mechanical, abrasion and notch-resistance
- Halogen-free and flame-retardant (IEC 60332-1-2)
- Resistant to oil and drilling fluids
- Flexible down to -40°C
- Low-adhesive surface
- EMC-compliant

PRODUCT MAKE-UP

- Extra-fine wire strand made of bare copper wires (class 6)
- Core insulation: TPE
- Cores twisted together in extremely short lay lengths
- Non-woven wrapping
- Inner sheath made of TPE
- 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	IEC U0/U: 300/500 V UL: 1000 V
Test voltage	3000 V

Protective conductor

G = with GN-YE protective conductor
X = without protective conductor

Temperature range

Flexing: -40°C to +80°C
Fixed installation: -50°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 PS540 SC				
CKS PS540 5002	2 X 0.5	6.7	32	67
CKS PS540 5003	3 X 0.5	7.1	40	79
CKS PS540 5005	5 X 0.5	8.2	53	107
CKS PS540 5006	6 X 0.5	8.7	59	121
CKS PS540 5007	7 X 0.5	9.5	67	132
CKS PS540 50012	12 X 0.5	10.9	97	190
CKS PS540 50018	18 X 0.5	12.9	131	245
CKS PS540 50020	20 X 0.5	13.5	156	281
CKS PS540 50025	25 X 0.5	15.6	190	367
CKS PS540 50030	30 X 0.5	15.8	222	408
CKS PS540 50036	36 X 0.5	16.9	251	459
CKS PS540 75002	2 X 0.75	7.2	40	79
CKS PS540 75003	3 X 0.75	7.6	47	96
CKS PS540 75004	4 X 0.75	8.3	58	112
CKS PS540 75005	5 X 0.75	8.9	65	126
CKS PS540 75007	7 X 0.75	10.6	85	165
CKS PS540 750012	12 X 0.75	12.1	127	231
CKS PS540 750018	18 X 0.75	14.6	198	330
CKS PS540 750025	25 X 0.75	17.7	259	459
CKS PS540 750036	36 X 0.75	19.5	348	605
CKS PS540 0102	2 X 1.0	7.6	45	93
CKS PS540 0103	3 X 1.0	8.1	55	109
CKS PS540 0104	4 X 1.0	8.8	68	126
CKS PS540 0105	5 X 1.0	9.6	81	147
CKS PS540 0107	7 X 1.0	11.3	106	196
CKS PS540 01012	12 X 1.0	13.2	175	292
CKS PS540 01018	18 X 1.0	15.9	242	418
CKS PS540 01025	25 X 1.0	19.5	329	575
CKS PS540 01030	30 X 1.0	19.6	377	635

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS540 01036	36 X 1.0	21.2	467	758
CKS PS540 5102	2 X 1.5	8.3	58	115
CKS PS540 5103	3 X 1.5	8.9	76	139
CKS PS540 5104	4 X 1.5	9.8	91	156
CKS PS540 5105	5 X 1.5	10.8	111	198
CKS PS540 5107	7 X 1.5	12.5	145	254
CKS PS540 51012	12 X 1.5	14.9	242	416
CKS PS540 51018	18 X 1.5	17.4	346	564
CKS PS540 51025	25 X 1.5	21.4	486	811
CKS PS540 51036	36 X 1.5	23.4	655	1066
CKS PS540 5203	3 X 2.5	10.7	110	194
CKS PS540 5204	4 X 2.5	11.7	136	234
CKS PS540 5205	5 X 2.5	12.8	180	293
CKS PS540 5207	7 X 2.5	15.6	246	418
CKS PS540 52012	12 X 2.5	18	377	629
CKS PS540 52018	18 X 2.5	21.5	569	912
CKS PS540 52025	25 X 2.5	26.5	765	1266