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CKS SAPFLEX PS534 SC

Highly flexible, screened all-weather control cable with TPE sheath - resistant to a wide range of chemical media



CKS Sapflex PS534 SC - Screened, halogen free power and control cable for power chain application in harsh environmental conditions

Extended Line Performance - Long travel lengths or high acceleration

Good weather resistance

Good chemical resistance

ADVANTAGES

Outstanding weather, ozone and UV resistance together with the wide temperature range enable versatile use for indoor and outdoor applications

Resistant to contact with organic oils and the related emulsions as well as a multitude of plant, animal or synthetic-based greases and waxes

Good resistance to ammonia compounds and bio-gases



Good resistance to cold and hot water as well as water-soluble cleaning and cooling agents
Well-suited to steam cleaning
Copper screening complies with EMC requirements and protects against electromagnetic interference

APPLICATION RANGE

In power chains or moving machine parts
Machine tool building, medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works
Food and beverage industry, especially for production and processing equipment of milk and meat products
Assembly lines, production lines, in all kinds of machines
For indoor and outdoor use

PRODUCT FEATURES

Ozone, UV and weather-resistant
Highly resistant to oil and chemicals
Hydrolysis-resistant to warm and hot water
Good chemical resistance to ester-based hydraulic fluids
Flexible down to -40°C

PRODUCT MAKE-UP

Extra-fine wire, tinned copper strands
Core insulation: TPE
Cores twisted together in extremely short lay lengths
Non-woven wrapping
Inner sheath made of TPE
Tinned-copper braiding
Robust outer sheath made of special halogen-free TPE,

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 (at temperatures < 70 °C) up from 10 x outer diameter
Nominal voltage	(at max. temperature of 105 °C) Fixed installation: 4 x Outer diameter
Test voltage	U0/U: 300/500 V

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

Temperature range Flexing: -40 °C to +105 °C
 Fixed installation: -50 °C to +105 °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 PS534 SC				
CKS PS534 5002	2 X 0.5	8.3	33.6	77
CKS PS534 5003	3 X 0.5	8.8	41.8	92
CKS PS534 5004	4 X 0.5	9.5	49.9	108
CKS PS534 5005	5 X 0.5	10.4	57.9	127
CKS PS534 5007	7 X 0.5	12	74.1	165
CKS PS534 50012	12 X 0.5	14.4	120.5	248
CKS PS534 50018	18 X 0.5	16.7	158	330
CKS PS534 50025	25 X 0.5	20.3	230.8	471
CKS PS534 57002	2 X 0.75	8.6	41.4	87
CKS PS534 57003	3 X 0.75	9.1	49.6	110
CKS PS534 57004	4 X 0.75	10.1	60.9	137
CKS PS534 57005	5 X 0.75	10.8	72.8	160
CKS PS534 57007	7 X 0.75	12.6	107.2	238
CKS PS534 570012	12 X 0.75	15	151.5	312
CKS PS534 570018	18 X 0.75	17.7	205.5	448
CKS PS534 570025	25 X 0.75	21.7	299.1	657
CKS PS534 0102	2 X 1.0	9	47.2	105
CKS PS534 0103	3 X 1.0	9.8	61.1	125
CKS PS534 0104	4 X 1.0	10.6	74.8	157
CKS PS534 0105	5 X 1.0	12.1	86.2	198
CKS PS534 0107	7 X 1.0	13.9	132.3	278
CKS PS534 01012	12 X 1.0	16.1	189.1	370
CKS PS534 01018	18 X 1.0	18.7	277.5	549
CKS PS534 01025	25 X 1.0	23	369.6	784
CKS PS534 5102	2 X 1.5	10.2	59.4	127
CKS PS534 5103	3 X 1.5	10.9	79.8	163
CKS PS534 5104	4 X 1.5	12.1	99.2	210
CKS PS534 5105	5 X 1.5	13.6	129.7	264
CKS PS534 5107	7 X 1.5	15.8	175.2	370

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS534 51012	12 X 1.5	18.4	257.1	498
CKS PS534 51018	18 X 1.5	22.1	378.9	749
CKS PS534 51025	25 X 1.5	27.1	555.5	1042
CKS PS534 5204	4 X 2.5	14.4	161.5	307
CKS PS534 5102	5 X 2.5	15.5	188.3	361
CKS PS534 5207	7 X 2.5	18.3	252.6	512
CKS PS534 52012	12 X 2.5	21.9	406.5	730
CKS PS534 0404	4 X 4.0	16.2	227.3	412
CKS PS534 0604	4 X 6.0	17.2	306.7	519
CKS PS534 01004	4 X 10.0	23.3	513.6	853
CKS PS534 01604	4 X 16.0	27.2	809.6	1273