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CKS SAPFLEX PS539 P

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



CKS Sapflex PS539 P - Halogen-free power and control cable for power chain use in harsh conditions
 Extended Line Performance - Long travel lengths or high acceleration
 All-rounder with small bending radii

ADVANTAGES

- Allows much faster speed and accelerations which increases the economic efficiency of the machines
- Multi-standard certification reduces part varieties and saves costs
- Low particle emission at moved chain application
- 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

APPLICATION RANGE

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

PRODUCT FEATURES

Halogen-free and flame-retardant (IEC 60332-1-2)
 Resistant to oil and drilling fluids
 Flexible down to -40°C
 Abrasion and notch-resistant
 Low-adhesive surface

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
 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 according to VDE 0295, class 6/IEC 60228 class6
Minimum bending radius	Flexing: up from 5 x outer diameter Fixed installation: 3 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

ELECTRICAL INFORMATION



Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS SAPFLEX PS539 P				
CKS PS539 5002	2 X 0.5	5.1	10	34
CKS PS539 5003	3 X 0.5	5.5	14	40
CKS PS539 5005	5 X 0.5	6.6	24	55
CKS PS539 5006	6 X 0.5	7.1	29	63
CKS PS539 5007	7 X 0.5	7.7	34	76
CKS PS539 50012	12 X 0.5	9.1	58	114
CKS PS539 50018	18 X 0.5	10.9	86	165
CKS PS539 50020	20 X 0.5	11.5	96	180
CKS PS539 50025	25 X 0.5	13.4	120	219
CKS PS539 50030	30 X 0.5	13.6	144	251
CKS PS539 50036	36 X 0.5	14.7	173	290
CKS PS539 75002	2 X 0.75	5.6	14	42
CKS PS539 75003	3 X 0.75	6	22	50
CKS PS539 75004	4 X 0.75	6.7	29	60
CKS PS539 75005	5 X 0.75	7.3	36	71
CKS PS5139 75007	7 X 0.75	8.8	50	99
CKS PS539 750012	12 X 0.75	10.3	86	158
CKS PS539 750018	18 X 0.75	12.4	130	219
CKS PS539 750020	20 X 0.75	13.3	144	240
CKS PS539 750025	25 X 0.75	15.5	180	309
CKS PS539 570036	36 X 0.75	16.9	259	411
CKS PS539 0102	2 X 1.0	6	19	50
CKS PS539 0103	3 X 1.0	6.5	29	61
CKS PS539 0104	4 X 1.0	7.2	38	70
CKS PS539 0105	5 X 1.0	7.8	48	93
CKS PS539 0107	7 X 1.0	9.5	67	122
CKS PS539 01012	12 X 1.0	11.2	115	196
CKS PS539 01018	18 X 1.0	13.7	173	274
CKS PS539 01020	20 X 1.0	14.4	192	300
CKS PS539 01025	25 X 1.0	16.8	240	385
CKS PS539 01030	30 X 1.0	17	288	444
CKS PS539 01036	36 X 1.0	18.6	346	516
CKS PS539 5102	2 X 1.5	6.7	29	68
CKS PS539 5103	3 X 1.5	7.3	43	83
CKS PS539 5104	4 X 1.5	8	58	100

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS539 5105	5 X 1.5	9	72	128
CKS PS539 5107	7 X 1.5	10.7	101	177
CKS PS539 51012	12 X 1.5	12.7	173	275
CKS PS539 51018	18 X 1.5	15.2	259	405
CKS PS539 51025	25 X 1.5	18.8	360	565
CKS PS539 51030	30 X 1.5	18.8	432	652
CKS PS539 51036	36 X 1.5	20.6	518	759
CKS PS539 51041	41 X 1.5	22.4	614	978
CKS PS539 5203	3 X 2.5	8.9	72	121
CKS PS539 5204	4 X 2.5	9.9	96	163
CKS PS539 5205	5 X 2.5	11	120	196
CKS PS539 5207	7 X 2.5	13.4	168	266
CKS PS539 52012	12 X 2.5	15.8	288	446
CKS PS539 52018	18 X 2.5	18.9	432	665
CKS PS539 52025	25 X 2.5	23.5	600	929