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CKS SAPFLEX PS533 SC

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



CKS Sapflex PS533 SC - Screened, halogenfree power and control cable for power chain application, oil- and mud resistant
 Extended Line Performance - Long travel lengths or high acceleration
 Resistant to oil and drilling fluids
 EMC compliant copper screening

ADVANTAGES

Especially suitable for contact with oil- and ester-based drilling muds as well as calcium bromide solutions
 Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
 Suitable for long horizontal drag chain travel distances



Additional robustness thanks to inner sheath
 Wide temperature range for applications in harsh climatic environments
 Copper braiding screens the cable against electromagnetic interference

APPLICATION RANGE

Permanently moved power chains or machine parts in harsh environment
 Onshore and offshore applications
 In wet areas within machinery and production or assembly lines
 For use in assembling & pick-and-place machinery
 For indoor and outdoor use

PRODUCT FEATURES

Salt water-resistant
 Halogen-free and flame-retardant
 Good weather, ozone, UV and oil resistance
 Good notch and abrasion resistance
 Flexible at low temperatures
 EMC-compliant

PRODUCT MAKE-UP

Extra-fine wire strand made of bare copper
 Core insulation: TPE
 Cores twisted in short lay lengths
 Non-woven wrapping
 Inner sheath made of TPE
 Tinned copper screen braiding
 Outer sheath made of robust special polymer, colour black

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	3000 V

ELECTRICAL INFORMATION



Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS SAPFLEX PS533 SC				
CKS PS533 5002	2 X 0.5	6.1	9.6	34
CKS PS533 5003	3 X 0.5	6.6	14.4	45
CKS PS533 5004	4 X 0.5	7.3	19.2	55
CKS PS533 5005	5 X 0.5	8	24	67
CKS PS533 5007	7 X 0.5	9.6	33.6	93
CKS PS533 50012	12 X 0.5	11.6	57.6	142
CKS PS533 50018	18 X 0.5	13.9	86.4	208
CKS PS533 50025	25 X 0.5	17.3	120	298
CKS PS533 57002	2 X 0.75	6.4	14.4	41
CKS PS533 57003	3 X 0.75	6.9	21.6	51
CKS PS533 57004	4 X 0.75	7.7	28.8	69
CKS PS533 57005	5 X 0.75	8.6	36	87
CKS PS533 57007	7 X 0.75	10.4	50.4	127
CKS PS533 570012	12 X 0.75	12.2	86.4	182
CKS PS533 570018	18 X 0.75	14.9	129.6	277
CKS PS533 570025	25 X 0.75	18.5	180	421
CKS PS533 0102	2 X 1.0	6.8	28.8	49
CKS PS533 0103	3 X 1.0	7.4	28.8	63
CKS PS533 0104	4 X 1.0	8.2	38.4	82
CKS PS533 0105	5 X 1.0	9.2	48	105
CKS PS533 0107	7 X 1.0	11.1	67.2	157
CKS PS533 01012	12 X 1.0	13.3	115.2	226
CKS PS533 01018	18 X 1.0	15.9	172.8	345
CKS PS533 01025	25 X 1.0	19.8	240	547
CKS PS533 5102	2 X 1.5	8	28.8	73
CKS PS533 5103	3 X 1.5	8.9	43.2	90
CKS PS533 5104	4 X 1.5	9.9	57.6	118
CKS PS533 5105	5 X 1.5	11	72	149
CKS PS533 5107	7 X 1.5	13.4	100.8	233
CKS PS533 51012	12 X 1.5	15.8	172.8	322
CKS PS533 51018	18 X 1.5	18.9	259.2	494
CKS PS533 51025	25 X 1.5	23.5	360	695
CKS PS533 5204	4 X 2.5	11.8	96	181
CKS PS533 5205	5 X 2.5	12.9	120	228
CKS PS533 5207	7 X 2.5	15.7	168	329

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS533 52012	12 X 2.5	18.7	288	491
CKS PS533 0404	4 X 4.0	13.8	153.6	261
CKS PS533 0604	4 X 6.0	14.8	230.4	356
CKS PS533 01004	4 X 10.0	20.1	384	596
CKS PS533 01604	4 X 16.0	23.8	614.4	910

