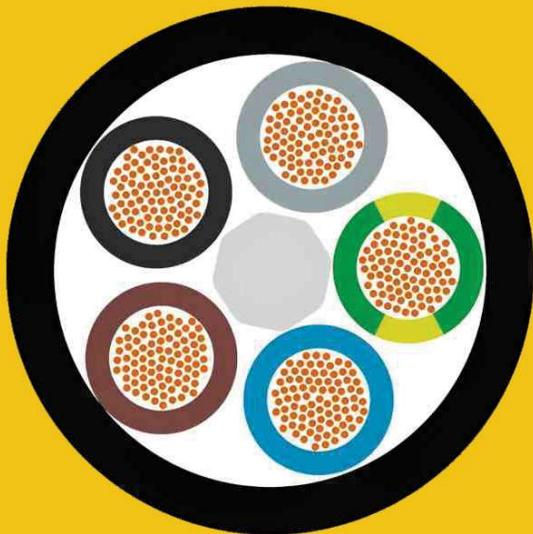




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CKS SAPFLEX PS546

Highly flexible and weather-proof rubber cables with support element



CKS Sapflex PS546 - flexible cable, flame retardant for outdoor use and crane applications/conveyour technology, power and control rubber cable, U0/U:300/500V

Suitable for outdoor use
Integrated supporting element
Also suitable for power chains and cable trolley systems

ADVANTAGES

Weather-resistant for harsh environmental conditions
Very flexible due to extra-fine wire conductor design
Cables up to a max. 24 cores can also be used in power chains



APPLICATION RANGE

Machinery and equipment that are permanently exposed to the weather; conveying and hoisting equipment; construction machinery; shipyard machinery
Use outdoors and in industrial water
For highly flexible applications

PRODUCT FEATURES

Flame-retardant according IEC 60332-1-2
Not suitable for use on guide pulleys or drums under tensile load
Refer to the article table for the tensile strength of the cable
The cable should be installed in a way that the supporting element can absorb the tensile forces
The mobility of the cores must not be affected by the clamps

PRODUCT MAKE-UP

Conductor made of bare copper wires
Core insulation: rubber compound
Special supporting element as strain relief
Outer sheath: rubber compound, type Em2

TECHNICAL DATA

Classification ETIM 5	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
Conductor stranding	0.15 mm wire diameter at 1.0 mm ² 0.20 mm wire diameter from 1.5 mm ²
Minimum bending radius	Flexible use: 12.5 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	U0/U: 300/500 V
Test voltage	3000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Flexible use: -25°C to +80°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 PS546				
CKS PS546 0102	2.0 X 1.0	7.4	19.2	89
CKS PS546 0103	3.0 X 1.0	8.3	28.8	106
CKS PS546 0104	4.0 X 1.0	8.9	38.4	127
CKS PS546 0105	5.0 X 1.0	10.4	48	149
CKS PS546 0107	7.0 X 1.0	12.9	67.2	206
CKS PS546 0109	9.0 X 1.0	14.4	86.4	281
CKS PS546 01012	12.0 X 1.0	18.5	115.2	422
CKS PS546 01018	18.0 X 1.0	19.2	172.8	451
CKS PS546 01024	24.0 X 1.0	22.1	230.4	646
CKS PS546 01036	36.0 X 1.0	26.1	345.6	863
CKS PS546 5102	2.0 X 1.5	8	28.8	108
CKS PS546 5103	3.0 X 1.5	8.7	43.2	128
CKS PS546 5104	4.0 X 1.5	9.9	57.6	158
CKS PS546 5105	5.0 X 1.5	10.9	72	188
CKS PS546 5107	7.0 X 1.5	14	100.8	260
CKS PS546 5108	8.0 X 1.5	15.2	115.2	300
CKS PS546 5109	9.0 X 1.5	15.9	129.6	375
CKS PS546 51010	10.0 X 1.5	17	144	427
CKS PS546 51012	12.0 X 1.5	19.9	172.8	557
CKS PS546 51018	18.0 X 1.5	20.9	259.2	608
CKS PS546 51024	24.0 X 1.5	23.4	345.6	825
CKS PS546 5202	2.0 X 2.5	9.7	48	145
CKS PS546 5203	3.0 X 2.5	10.2	72	173
CKS PS546 5204	4.0 X 2.5	11.6	96	219
CKS PS546 5205	5.0 X 2.5	12.4	120	259
CKS PS546 5207	7.0 X 2.5	16.6	168	378
CKS PS546 5209	9.0 X 2.5	18.9	216	518
CKS PS546 52012	12.0 2.5	23.3	288	770
CKS PS546 52016	16.0 X 2.5	22.8	384	749
CKS PS546 52018	18.0 X 2.5	24.4	432	837
CKS PS546 52024	24.0 X 2.5	28.5	576	1184
CKS PS546 0404	4.0 X 4.0	15.2	153.6	307
CKS PS546 0405	5.0 X 4.0	16.8	192	394

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS546 0604	4.0 X 6.0	16.8	230.4	409
CKS PS546 0605	5.0 X 6.0	19.2	288	528
CKS PS546 01004	4.0 X 10.0	21.8	384	698
CKS PS546 01005	5.0 X 10.0	24.6	480	853
CKS PS546 01604	4.0 X 16.0	25.4	614.4	974
CKS PS546 01605	5.0 X 16.0	28	768	1226