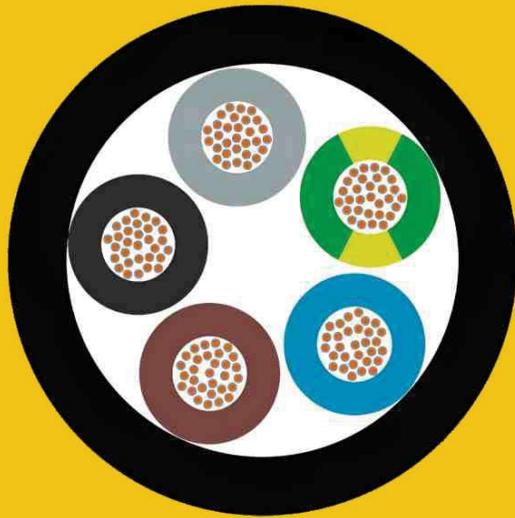




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CKS SAPFLEX PS544

Reelable cables for low and medium mechanical stress



CKS Sapflex PS542 - Low voltage power cable for outdoor use and crane applications/conveyour technology. Power and control rubber cable, reelable, U0/U: 0,6/1kV

Robust and efficient
Suitable for outdoor use
Integrated sheath supporting braid

ADVANTAGES

Can be used as hawser, drum and towing cable as well as for energy supply chains
Integrated supporting braid prevents undesirable cable twists, and the formation of so-called corkscrew effects



APPLICATION RANGE

For use in hoists, transport and conveyor systems
Reeling/unreeling during operation without fixing
In dry or damp interiors, outdoors and in industrial water

PRODUCT FEATURES

Flame-retardant according IEC 60332-1-2
Oil-resistant according to EN 60811-404
Good chemical, thermal and mechanical-resistance
UV-resistant

PRODUCT MAKE-UP

Strands of tinned-copper wires
Core insulation: rubber compound, type 3GI3
Support braid integrated in the outer sheath
Outer sheath: rubber compound, type 5GM3

TECHNICAL DATA

Classification ETIM 5	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Classification ETIM 6	ETIM 6.0 Class-ID: EC000057 ETIM 6.0 Class-Description: Low voltage power cable
Conductor stranding	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius	Flexible use: Cables with outer diameter < 21,5 mm: 5 x outer diameter Cables with outer diameter > 21,5 mm: 6,25 x outer diameter
Nominal voltage	U0/U: 600/1000 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Current rating	VDE 0298 Part 4
Temperature range:	Flexible use: -25°C to +80°C

Test voltage Up to 0.34 mm²: 1500 V
From 0.5 mm²: 2000 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 PS544				
CKS PS544 5103	3 G 1.5	14	43	190
CKS PS544 5104	4 G 1.5	15	58	220
CKS PS544 5105	5 G 1.5	16	72	260
CKS PS544 5107	7 G 1.5	18	101	380
CKS PS544 51012	12 G 1.5	24	173	720
CKS PS544 51018	18 G 1.5	24	259	770
CKS PS544 51024	24 G 1.5	27	346	1000
CKS PS544 51030	30 G 1.5	30	432	1320
CKS PS544 5203	3 G 2.5	16	72	250
CKS PS544 5204	4 G 2.5	17	96	330
CKS PS544 5205	5 G 2.5	18	120	390
CKS PS544 5207	7 G 2.5	21	168	510
CKS PS544 52012	12 G 2.5	27	288	970
CKS PS544 52018	18 G 2.5	27	432	1100
CKS PS544 52024	24 G 2.5	32	576	1450
CKS PS544 52030	30 G 2.5	36	720	1950
CKS PS544 0404	4 G 4.0	18	154	440
CKS PS544 0405	5 G 4.0	20	192	520
CKS PS544 0604	4 G 6.0	20	230	530
CKS PS544 0605	5 G 6.0	22	288	690
CKS PS544 01004	4 G 10.0	23	384	830
CKS PS544 01005	5 G 10.0	25	480	1000
CKS PS544 01604	4 G 16.0	26	614	1170

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS544 01605	5 G 16.0	28	768	1400
CKS PS544 02504	4 G 25.0	33	960	1830
CKS PS544 03504	4 G 35.0	35	1344	2280
CKS PS544 05004	4 G 50.0	41	1920	3220
CKS PS544 07004	4 G 70.0	45	2688	4200
CKS PS544 09504	4 G 95.0	51	3648	5530