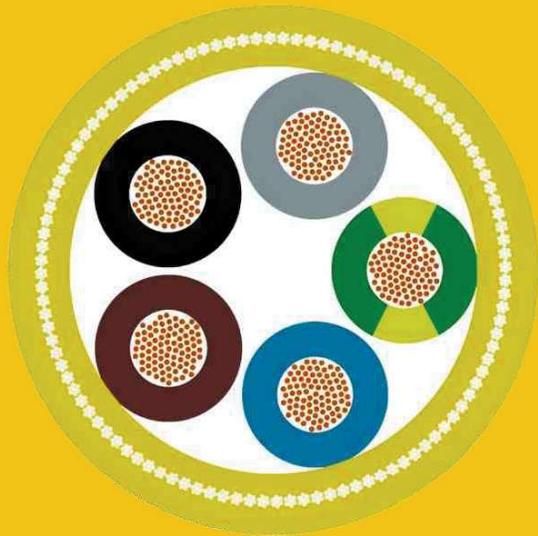




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CKS SAPFLEX PS545

Reelable polyurethane cables for low, medium and high mechanical stress



CKS Sapflex PS545 - Low voltage power cable for outdoor use and crane applications/conveyour technology.
Multifunctional application possibilities,
flexible use down to -40°C
Lightweight due to minimised
diameters
Halogen-free

ADVANTAGES

Designed with a smaller outer diameter to save space and weight
Cost-saving due to the use of smaller drums, guide rollers, as well
as drive engines when possible
Reeling, unreeling and guiding operations also impose tensile
stresses on the cables



The central supporting element absorbs the tensile loads that occur, thereby allowing reeling, unreeling and deflection for free hanging cables even over large distances.
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
Cables are reeled, unreeling, and guided by roller trains
In dry or damp interiors, outdoors and in industrial water

PRODUCT FEATURES

Halogen-free and flame-retardant (IEC 60332-1-2)
Oil-resistant according to EN 60811-404
Good chemical, thermal and mechanical-resistance

PRODUCT MAKE-UP

Conductor made of bare copper wires
Core insulation: TPE compound
Central supporting element
Support braid integrated in the outer sheath
Outer sheath: PUR compound, halogen-free

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	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class6
Minimum bending radius	Flexible use: 7.5 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
Temperature range	Flexible use: -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 PS545				
CKS PS545 5104	4 X 1.5	10.9	57.6	169
CKS PS545 5105	5 X 1.5	11.6	72	197
CKS PS545 5107	7 X 1.5	12.9	100.8	239
CKS PS545 51012	12 X 1.5	17.6	172.8	401
CKS PS545 51018	18 X 1.5	17.5	259.2	507
CKS PS545 51024	24 X 1.5	20.7	345.6	673
CKS PS545 51030	30 X 1.5	28.9	432	1100
CKS PS545 51036	36 X 1.5	31.4	518.4	1350
CKS PS545 5204	4 X 2.5	12.2	96	227
CKS PS545 5205	5 X 2.5	13.2	120	274
CKS PS545 5207	7 X 2.5	15.4	168	358
CKS PS545 52012	12 X 2.5	21.6	288	619
CKS PS545 52018	18 X 2.5	21.5	432	793
CKS PS545 52024	24 X 2.5	25.5	576	1123
CKS PS545 52030	30 X 2.5	34.7	720	1641
CKS PS545 0404	4 X 4.0	14.3	153.6	341
CKS PS545 0405	5 X 4.0	15.5	192	411
CKS PS545 0604	4 X 6.0	16.6	230.4	457
CKS PS545 0605	5 X 6.0	17.7	288	538
CKS PS545 0607	7 X 6.0	20.2	403	750
CKS PS545 01004	4 X 10.0	19.2	384	674
CKS PS545 01005	5 X 10.0	21.6	480	825
CKS PS545 01604	4 X 16.0	22.2	614.4	966
CKS PS545 01604	5 X 16.0	25.6	768	1222
CKS PS545 02504	4 X 25.0	27.6	960	1506
CKS PS545 03504	4 X 35.0	31	1344	2004
CKS PS545 05004	4 X 50.0	36.1	1920	2838
CKS PS545 603-2503	3x25+3X6	25.7	892.8	1380
CKS PS545 603-3503	3x35+3X6	27.6	1,180.8	1695
CKS PS545 1003-5003	3x50+3X10	32.1	1728	2307

