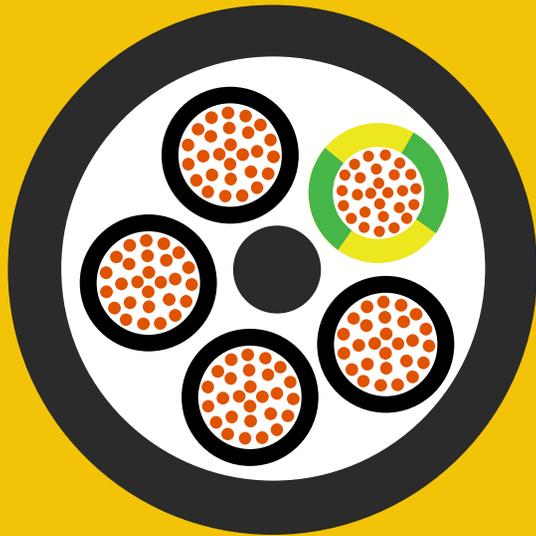




07

CKS SAPFLEX PS506

Halogen-free control cable, oil resistant and very flexible



CKS Sapflex PS506 – halogen-free flexible cable, HFFR and oil-resistant. Power and control cable for various applications, CPR, nominal voltage 450/750V

High flexibility and oil-resistance
For use within public buildings and industrial plants

ADVANTAGES

Easy handling and installation due to very flexible cable type
Wide application range due to excellent product features



APPLICATION RANGE

Public buildings like airports or railway stations
Plant engineering, Industrial machinery
Heating and air-conditioning systems
Stage applications
Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

PRODUCT FEATURES

Flame-retardant according to IEC 60332-1-2 (flame spread on a single cable)
No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
Low smoke density according to IEC 61034-2
Oil-resistant according to EN 50363-4-1 (Tm5) and UL OIL RES I and UL OIL RES II
Ozone-resistant according to EN 50396

PRODUCT MAKE-UP

Fine-wire strand made of bare copper wires
Core insulation: Halogen-free
Outer sheath: Special halogen-free compound

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	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Torsion movement in WTC	TW-0 & TW-2, refer to Appendix T0
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U0/U: 450/750 VAC In protected and fixed installations: U0/U: 600/1000 V
Test voltage	4000 V

Protective conductor

G = with GN-YE protective conductor
X = without protective conductor

Temperature range

Occasional flexing: -30°C to +70°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 PS506				
CKS PS506 5102	2 X 1.5	7.6	28.8	91
CKS PS506 5103	3 X 1.5	8.3	43.2	114
CKS PS506 5104	4 X 1.5	9	57.6	140
CKS PS506 5105	5 X 1.5	10.1	72	176
CKS PS506 5202	2 X 2.5	9	48	133
CKS PS506 5203	3 X 2.5	9.7	72	167
CKS PS506 5204	4 X 2.5	10.8	96	207
CKS PS506 5205	5 X 2.5	11.9	120	260
CKS PS506 0403	3 X 4.0	11.4	115.2	240
CKS PS506 0404	4 X 4.0	12.7	153.6	303
CKS PS506 0405	5 X 4.0	13.9	192	372
CKS PS506 0603	3 X 6.0	12.7	172.8	320
CKS PS506 0604	4 X 6.0	13.9	230.4	400
CKS PS506 0605	5 X 6.0	15.8	288	510
CKS PS506 01004	4 X 10.0	17.9	384	662
CKS PS506 01005	5 X 10.0	19.9	480	826
CKS PS506 01604	4 X 16.0	20.7	614.4	957
CKS PS506 01605	5 X 16.0	23	768	1193
CKS PS506 02504	4 X 25.0	25.4	960	1480
CKS PS506 02505	5 X 25.0	28.5	1200	1860
CKS PS506 03504	4 X 35.0	28.8	1344	1985
CKS PS506 03505	5 X 35.0	32.3	1680	2490
CKS PS506 05004	4 X 50.0	35	1920	2830
CKS PS506 07004	4 X 70.0	40	2688	3890
CKS PS506 09504	4 X 95.0	46	3648	5110
CKS PS506 01204	4 X 120.0	51	4608	6315

