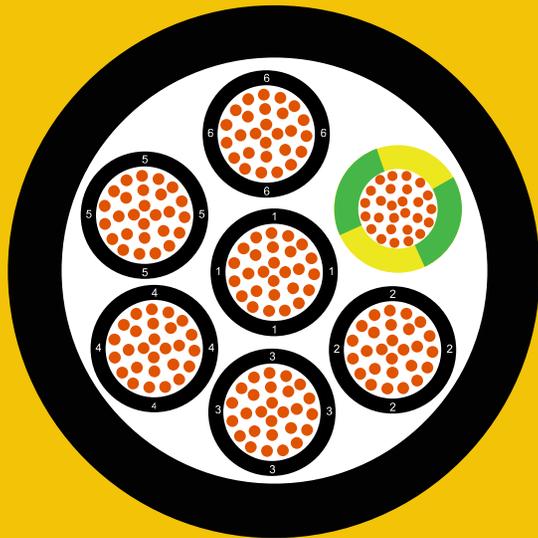




# 08

## CKS SAPFLEX PS507

Halogen-free control cable, oil resistant and very flexible



CKS Sapflex PS507- halogen-free control cable, HFFR, oil-resistant, very flexible and cold-resistant down to -30°C for various applications, CPR

High flexibility and oil-resistance  
UL AWM recognized

### ADVANTAGES

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



### 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  
Intended for use under the European Construction Product Regulation (CPR), refer to catalogue appendix T14  
Considering the temperature range, a temporary outdoor use is possible

### PRODUCT FEATURES

Flame-retardant according to IEC 60332-1-2 (flame spread on a single cable)  
No flame-propagation according to IEC 60332-3-22 and IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)  
UL Cable Flame Test  
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  
UV and weather-resistant according to ISO 4892-2  
Ozone-resistant according to EN 50396

### PRODUCT MAKE-UP

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

### 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	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Occasional flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U0/U: 300/500 V* UL: 600 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 (UL: +75°C)

Fixed installation: -40°C to +80°C (UL: +75°C)

## ELECTRICAL INFORMATION

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
<b>CKS SAPFLEX PS507 U0/U: 300/500 V</b>				
CKS PS507 5002	2 X 0.5	5.1	9.6	41
CKS PS507 5003	3 X 0.5	5.4	14.4	49
CKS PS507 5004	4 X 0.5	5.8	19.2	58
CKS PS507 5005	5 X 0.5	6.3	24	69
CKS PS507 5007	7 X 0.5	6.9	33.6	87
CKS PS507 5012	12 X 0.5	9.1	57.6	141
CKS PS507 75002	2 X 0.75	5.5	14.4	51
CKS PS507 75003	3 X 0.75	5.8	21.6	61
CKS PS507 75004	4 X 0.75	6.3	28.8	73
CKS PS507 75005	5 X 0.75	6.9	36	87
CKS PS507 75007	7 X 0.75	7.5	50.4	111
CKS PS507 75009	9 X 0.75	9.6	64.8	150
CKS PS507 750012	12 X 0.75	10.1	86.4	186
CKS PS507 750018	18 X 0.75	12	129.6	265
CKS PS507 750025	25 X 0.75	14.1	180	365
CKS PS507 0102	2 X 1.0	5.8	19.2	59
CKS PS507 0103	3 X 1.0	6.1	28.8	72
CKS PS507 0104	4 X 1.0	6.6	38.4	87
CKS PS507 0105	5 X 1.0	7.3	48	104
CKS PS507 0107	7 X 1.0	8.1	67.2	138
CKS PS507 0108	8 X 1.0	9.7	76.8	164
CKS PS507 01012	12 X 1.0	10.7	115.2	225
CKS PS507 01014	14 X 1.0	11.4	134.4	261
CKS PS507 01018	18 X 1.0	12.9	172.8	328
CKS PS507 01025	25 X 1.0	15	240	445
CKS PS507 01041	41 X 1.0	19.2	393.6	719
CKS PS507 5102	2 X 1.5	6.4	28.8	76
CKS PS507 5103	3 X 1.5	6.8	43.2	94
CKS PS507 5104	4 X 1.5	7.4	57.6	115

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS507 5105	5 X 1.5	8.3	72	142
CKS PS507 5107	7 X 1.5	9	100.8	184
CKS PS507 5108	8 X 1.5	10.8	115.2	218
CKS PS507 5109	9 X 1.5	11.6	129.6	245
CKS PS507 51012	12 X 1.5	12.2	172.8	308
CKS PS507 51014	14 X 1.5	13	201.6	357
CKS PS507 51018	18 X 1.5	14.6	259.2	449
CKS PS507 51025	25 X 1.5	17.2	360	617
CKS PS507 51034	34 X 1.5	19.8	489.6	821
CKS PS507 5202	2 X 2.5	7.6	48	113
CKS PS507 5203	3 X 2.5	8.3	72	146
CKS PS507 5204	4 X 2.5	9	96	180
CKS PS507 5205	5 X 2.5	10.1	120	221
CKS PS507 5207	7 X 2.5	11.2	168	295
CKS PS507 52012	12 X 2.5	15.1	288	491
CKS PS507 0404	4 X 4.0	10.8	153.6	268
CKS PS507 0405	5 X 4.0	12.1	192	328
CKS PS507 0407	7 X 4.0	13.4	268.8	438
CKS PS507 0604	4 X 6.0	13	230.4	391
CKS PS507 0605	5 X 6.0	14.5	288	478
CKS PS507 0607	7 X 6.0	16	403.2	638
CKS PS507 01004	4 X 10.0	16.2	384	635
CKS PS507 01005	5 X 10.0	18.1	480	775
CKS PS507 01604	4 X 16.0	18.8	614.4	930
CKS PS507 01605	5 X 16.0	21.2	768	1147
CKS PS507 02504	4 X 25.0	23.5	960	1442
CKS PS507 0255	5 X 25.0	26.4	1200	1773
CKS PS507 03504	4 X 35.0	26.6	1344	1917