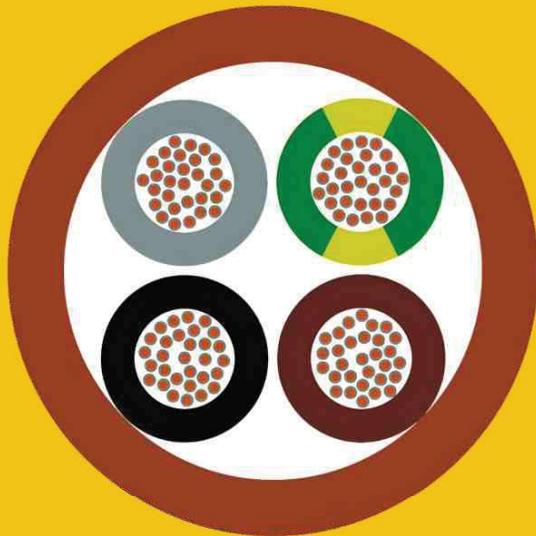




48

CKS SAPFLEX PS547

Silicone cables with extended temperature range



CKS Sapflex PS547 - silicone power and control cable for use in machine and plant construction and toolbuilding for temperatures up to +180°C

The classic for multi-functional use
Further dimensions/colours on request

ADVANTAGES

Flexibility simplifies installation where space is limited
Possesses insulating properties after combustion due to remaining SiO₂ ash on the conductor



APPLICATION RANGE

Areas with high ambient temperatures where insulating and sheath materials of conventional cables will embrittle after a short while

Typical fields of application

- Steel, ceramic and iron works
- Bakery equipment and industrial furnaces
- Electric motor industry
- Sauna/solarium construction
- Thermal and heating elements
- Lighting technology
- Ventilator engineering
- Air-conditioning technology
- Galvanisation techno

PRODUCT FEATURES

Halogen-free (IEC 60754-1), no corrosive gases (IEC 60754-2), flame-retardant (IEC 60332-1-2)
Resistant to a multitude of oils, alcohols, vegetable and animal fats and chemical substances
Adequate ventilation must be ensured, since the mechanical properties of silicone cables decrease from +100°C in the absence of air .

PRODUCT MAKE-UP

Fine-wire, tinned-copper conductor
Silicone-based core insulation
Cores twisted in layers
Silicone-based outer sheath, colour red-brown

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
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U ₀ /U: 300/500 V
Test voltage	2000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	-60 °C to +180 °C (adequate ventilation required)

ELECTRICAL INFORMATION

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS SAPFLEX PS547				
CKS PS547 75002	2 X 0.75	6	14	59
CKS PS547 75003	3 X 0.75	7	22	70
CKS PS547 75004	4 X 0.75	8	29	89
CKS PS547 75005	5 X 0.75	9	36	112
CKS PS547 75006	6 X 0.75	9	43	131
CKS PS547 75007	7 X 0.75	9	50	136
CKS PS547 0102	2 X 1.0	7	19	66
CKS PS547 0103	3 X 1.0	7	29	79
CKS PS547 0104	4 X 1.0	8	38	101
CKS PS547 0105	5 X 1.0	9	48	127
CKS PS547 0107	7 X 1.0	10	67	156
CKS PS547 5102	2 X 1.5	8	29	90
CKS PS547 5103	3 X 1.5	8	43	109
CKS PS547 5104	4 X 1.5	9	58	134
CKS PS547 5105	5 X 1.5	10	72	163
CKS PS547 5107	7 X 1.5	10	101	202
CKS PS547 51012	12 X 1.5	14	173	361
CKS PS547 51016	16 X 1.5	16	230	478
CKS PS547 51020	20 X 1.5	18	288	574
CKS PS547 51024	24 X 1.5	20	346	720
CKS PS547 5202	2 X 2.5	9	48	128
CKS PS547 5203	3 X 2.5	10	72	167
CKS PS547 5204	4 X 2.5	11	96	206
CKS PS547 5205	5 X 2.5	12	120	251
CKS PS547 5207	7 X 2.5	13	168	313
CKS PS547 0402	2 X 4.0	11	77	196
CKS PS547 0403	3 X 4.0	12	115	241
CKS PS547 0404	4 X 4.0	13	154	300
CKS PS547 0405	5 X 4.0	14	192	374

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS547 0407	7 X 4.0	16	269	486
CKS PS547 0602	2 X 6.0	12	116	268
CKS PS547 0603	3 X 6.0	13	173	333
CKS PS547 0604	4 X 6.0	15	230	425
CKS PS547 0607	7 X 6.0	19	403	705
CKS PS547 01004	4 X 10.0	19	384	707
CKS PS547 01005	5 X 10.0	22	480	878
CKS PS547 01604	4 X 16.0	21	614	1004