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CKS SAPFLEX PS551

Robust, halogen-free PUR spiral cable with high restoring forces



CKS Sapflex PS551 - PUR spiral cable, robust and with high restoring forces, halogen free and oil-resistant power and control cable for machine construction

High restoring forces, Halogen-free, Voltage class from 1.5 mm² 450/750 V

ADVANTAGES

- Extension lengths of up to 3.5 times the unextended spiral length, high recoiling forces
- The signal colour of the outer sheath increases safety and visual perception
- Increased durability under harsh conditions thanks to robust PUR outer sheath
- Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
- Wide temperature range for applications in harsh climatic environments

APPLICATION RANGE

- Harsh conditions
- Mechanical engineering
- Construction industry
- Medical equipment
- In damp interiors or outdoors

PRODUCT FEATURES

- UV-resistant (but colour may change after some time)
- Halogen-free
- Good resistance of the outer sheath to cutting and abrasion
- High resistance to oil, low temperatures, microbes and hydrolysis
- Flexible down to -30°C

PRODUCT MAKE-UP

- Strands of tinned-copper wires
- Core insulation: TPE
- Outer sheath made of special polyurethane
- Length of straight ends: 1st end = 200 mm, 2nd end = 600 mm



TECHNICAL DATA

Classification ETIM 5	ETIM 5.0 Class-ID: EC000247 ETIM 5.0 Class-Description: Spiralized cable
Classification ETIM 6	ETIM 6.0 Class-ID: EC000247 ETIM 6.0 Class-Description: Spiralized cable
Conductor stranding	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Nominal voltage	0.75 - 1 mm ² : U0/U: 300/500 Vac As from 1.5 mm ² : U0/U = 450/750 Vac
Test voltage	3000 V
Protective conductor	C= with GN-YE protective conductor X = without protective conductor
Temperature range	Flexible use: -30°C to +50°C

ELECTRICAL INFORMATION

Article number	Number of cores and mm ² per conductor	Spiral length, extended (mm)	Spiral length, unextended (mm)	Cable diameter (mm)	Spiral outer diameter (mm)
CKS SAPFLEX PS551 U0/U: 300/500 V					
CKS PS551 75002	2 X 0.75	1000	300	6.6	23
CKS PS551 750021	2 X 0.75	2000	600	6.6	23
CKS PS551 750022	2 X 0.75	3500	1000	6.6	23
CKS PS551 750023	2 X 0.75	5000	1500	6.6	23
CKS PS551 75003	3 X 0.75	1000	300	7	24
CKS PS551 750031	3 X 0.75	2000	600	7	24
CKS PS551 750032	3 X 0.75	3500	1000	7	24
CKS PS551 750033	3 X 0.75	5000	1500	7	24
CKS PS551 75004	4 X 0.75	1000	300	7.6	29
CKS PS551 750041	4 X 0.75	2000	600	7.6	29
CKS PS551 750042	4 X 0.75	3500	1000	7.6	29
CKS PS551 750043	4 X 0.75	5000	1500	7.6	29
CKS PS551 75005	5 X 0.75	1000	300	8.5	31
CKS PS551 750051	5 X 0.75	2000	600	8.5	31
CKS PS551 750052	5 X 0.75	3500	1000	8.5	31

Article number	Number of cores and mm ² per conductor	Spiral length, extended (mm)	Spiral length, unextended (mm)	Cable diameter (mm)	Spiral outer diameter (mm)
CKS PS551 750053	5 X 0.75	5000	1500	8.5	31
CKS PS551 0102	2 X 1.0	1000	300	7	24
CKS PS551 01021	2 X 1.0	2000	600	7	24
CKS PS551 01022	2 X 1.0	3500	1000	7	24
CKS PS551 010213	2 X 1.0	5000	1500	7	24
CKS PS551 0103	3 X 1.0	1000	300	7.4	29
CKS PS551 01031	3 X 1.0	2000	600	7.4	29
CKS PS551 01032	3 X 1.0	3500	1000	7.4	29
CKS PS551 01033	3 X 1.0	5000	1500	7.4	29
CKS PS551 0104	4 X 1.0	1000	300	8.2	30
CKS PS551 01041	4 X 1.0	2000	600	8.2	30
CKS PS551 01042	4 X 1.0	3500	1000	8.2	30
CKS PS551 01043	4 X 1.0	5000	1500	8.2	30
CKS PS551 0105	5 X 1.0	1000	300	9	32
CKS PS551 01051	5 X 1.0	2000	600	9	32
CKS PS551 01052	5 X 1.0	3500	1000	9	32
CKS PS551 01053	5 X 1.0	5000	1500	9	32
CKS PS551 0107	7 X 1.0	1000	350	10.9	40
CKS PS551 01071	7 X 1.0	2000	700	10.9	40
CKS PS551 01072	7 X 1.0	3500	1200	10.9	40
CKS PS551 01073	7 X 1.0	5000	1700	10.9	40

CKS SAPFLEX PS551 U0/U: 450/750 V

CKS PS551 5102	2 X 1.5	1000	300	8.4	31
CKS PS551 51021	2 X 1.5	2000	600	8.4	31
CKS PS551 51022	2 X 1.5	3500	1000	8.4	31
CKS PS551 51023	2 X 1.5	5000	1500	8.4	31
CKS PS551 5103	3 X 1.5	1000	300	8.9	32
CKS PS551 51031	3 X 1.5	2000	600	8.9	32
CKS PS551 51032	3 X 1.5	3500	1000	8.9	32
CKS PS551 51033	3 X 1.5	5000	1500	8.9	32
CKS PS551 5105	5 X 1.5	1000	350	10.9	40
CKS PS551 51051	5 X 1.5	2000	700	10.9	40
CKS PS551 51052	5 X 1.5	3500	1200	10.9	40
CKS PS551 51053	5 X 1.5	5000	1700	10.9	40
CKS PS551 5107	7 X 1.5	1000	350	13.5	52
CKS PS551 51071	7 X 1.5	2000	700	13.5	52
CKS PS551 51072	7 X 1.5	3500	1200	13.5	52

Article number	Number of cores and mm ² per conductor	Spiral length, extended (mm)	Spiral length, unextended (mm)	Cable diameter (mm)	Spiral outer diameter (mm)
CKS PS551 51073	7 X 1.5	5000	1700	13.5	52
CKS PS551 5203	3 X 2.5	1000	350	10.6	40
CKS PS551 52031	3 X 2.5	2000	700	10.6	40
CKS PS551 52032	3 X 2.5	3500	1200	10.6	40
CKS PS551 52033	3 X 2.5	5000	1700	10.6	40
CKS PS551 5205	5 X 2.5	1000	350	13.4	51
CKS PS551 52051	5 X 2.5	2000	700	13.4	51
CKS PS551 52052	5 X 2.5	3500	1200	13.4	51
CKS PS551 52053	5 X 2.5	5000	1700	13.4	51