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CKS SAPFLEX PS549

PUR spiral cable with increased chemical resistance



CKS Sapflex PS549 - PUR spiral cable, chemical-, oil- and abrasion-resistant control cable for use in machines, plant construction and toolbuilding

High resistance to benzols, benzines and other substances listed in Appendix T1

High mechanical strength

Available in cross sections starting at 0,5 mm²

ADVANTAGES

High restoring forces and extension lengths up to 3 times the unextended spiral length

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

APPLICATION RANGE

As control and power cables in machines

Mechanical engineering

Apparatus construction

PRODUCT FEATURES

Resistant to microbes, hydrolysis and almost all mineral oils

High chemical-resistance to benzols, benzenes and other agents

listed in the selection table in Appendix T1

Abrasion and notch-resistant

Core based on VDE 0812/0285

Outer sheath based on VDE 0250/0285

PRODUCT MAKE-UP

Conductor made of bare copper wires

Core insulation: rubber compound

Special supporting element as strain relief

Outer sheath: rubber compound, type Em2

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	U0/U: 300/500 V
Test voltage	3000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Flexible use: +5°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 PS549 5002	2 X 0.5	1500	500	5.5	20
CKS PS549 50021	2 X 0.5	3000	1000	5.5	20
CKS PS549 50022	2 X 0.5	4500	1500	5.5	20
CKS PS549 50023	2 X 0.5	6000	2000	5.5	20
CKS PS549 5003	3 X 0.5	1500	500	5.8	21
CKS PS549 50031	3 X 0.5	3000	1000	5.8	21
CKS PS549 50032	3 X 0.5	4500	1500	5.8	21
CKS PS549 50034	3 X 0.5	6000	2000	5.8	21
CKS PS549 5004	4 X 0.5	1500	500	6.2	21
CKS PS549 50041	4 X 0.5	3000	1000	6.2	21
CKS PS549 50042	4 X 0.5	4500	1500	6.2	21
CKS PS549 50043	4 X 0.5	6000	2000	6.2	21
CKS PS549 5005	5 X 0.5	1500	500	6.7	25
CKS PS549 50051	5 X 0.5	3000	1000	6.7	25
CKS PS549 50052	5 X 0.5	4500	1500	6.7	25
CKS PS549 50053	5 X 0.5	6000	2000	6.7	25

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 PS549 5007	7 X 0.5	1500	500	7.6	29
CKS PS549 50071	7 X 0.5	3000	1000	7.6	29
CKS PS549 50072	7 X 0.5	4500	1500	7.6	29
CKS PS549 50073	7 X 0.5	6000	2000	7.6	29
CKS PS549 50012	12 X 0.5	1500	500	9.5	32
CKS PS549 500121	12 X 0.5	3000	1000	9.5	32
CKS PS549 50018	18 X 0.5	1500	500	11	42
CKS PS549 500181	18 X 0.5	3000	1000	11	42
CKS PS549 75002	2 X 0.75	1500	500	5.6	19.5
CKS PS549 750021	2 X 0.75	3000	1000	5.6	19.5
CKS PS549 750022	2 X 0.75	4500	1500	5.6	19.5
CKS PS549 750023	2 X 0.75	6000	2000	5.6	19.5
CKS PS549 75003	3 X 0.75	1500	500	5.9	20
CKS PS549 750031	3 X 0.75	3000	1000	5.9	20
CKS PS549 750032	3 X 0.75	4500	1500	5.9	20
CKS PS549 750034	3 X 0.75	6000	2000	5.9	20
CKS PS549 75004	4 X 0.75	1500	500	6.4	21
CKS PS549 750041	4 X 0.75	3000	1000	6.4	21
CKS PS549 750042	4 X 0.75	4500	1500	6.4	21
CKS PS549 750043	4 X 0.75	6000	2000	6.4	21
CKS PS549 75005	5 X 0.75	1500	500	6.9	24
CKS PS549 750051	5 X 0.75	3000	1000	6.9	24
CKS PS549 750052	5 X 0.75	4500	1500	6.9	24
CKS PS549 750053	5 X 0.75	6000	2000	6.9	24
CKS PS549 75007	7 X 0.75	1500	500	7.5	27
CKS PS549 750071	7 X 0.75	3000	1000	7.5	27
CKS PS549 750072	7 X 0.75	4500	1500	7.5	27
CKS PS549 750073	7 X 0.75	6000	2000	7.5	27
CKS PS549 750012	12 X 0.75	1500	500	9.9	35
CKS PS549 7500121	12 X 0.75	3000	1000	9.9	35
CKS PS549 750018	18 X 0.75	1500	500	11.9	40
CKS PS549 7500181	18 X 0.75	3000	1000	11.9	40
CKS PS549 0102	2 X 1.0	1500	500	5.9	20
CKS PS549 01021	2 X 1.0	3000	1000	5.9	20
CKS PS549 01022	2 X 1.0	4500	1500	5.9	20
CKS PS549 01023	2 X 1.0	6000	2000	5.9	20

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 PS549 0103	3 X 1.0	1500	500	6.2	21
CKS PS549 01031	3 X 1.0	3000	1000	6.2	21
CKS PS549 01032	3 X 1.0	4500	1500	6.2	21
CKS PS549 01033	3 X 1.0	6000	2000	6.2	21
CKS PS549 0104	4 X 1.0	1500	500	6.7	24
CKS PS549 01041	4 X 1.0	3000	1000	6.7	24
CKS PS549 01042	4 X 1.0	4500	1500	6.7	24
CKS PS549 01043	4 X 1.0	6000	2000	6.7	24
CKS PS549 0105	5 X 1.0	1500	500	7.3	25
CKS PS549 01051	5 X 1.0	3000	1000	7.3	25
CKS PS549 01052	5 X 1.0	4500	1500	7.3	25
CKS PS549 01053	5 X 1.0	6000	2000	7.3	25
CKS PS549 0107	7 X 1.0	1250	500	8.2	30
CKS PS549 01071	7 X 1.0	2500	1000	8.2	30
CKS PS549 01072	7 X 1.0	3750	1500	8.2	30
CKS PS549 01073	7 X 1.0	5000	2000	8.2	30