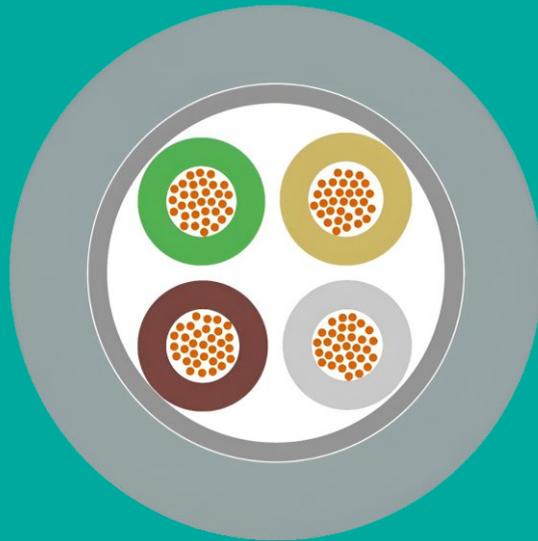


06

CKS SAPFLEX PS705 FD

Highly flexible cable for power chain use



CKS Sapflex PS705 FD - Low-frequency PVC data cable, highly flexible/extra-finely wired, drag/ energy chain 2 to 8 m cycles, constant flexing/bending, flame retardant

ADVANTAGES

- Well-proven and reliable
- Optimized cable construction for power chain use
- Cost-effective solution



APPLICATION RANGE

Automated production processes require data transmission cables that offer highflexibility and durability
Suitable for use in measuring, control and regulating circuits
Assembly lines, production lines, in all kinds of machines

PRODUCT FEATURES

Low-adhesive surface
Flame-retardant according IEC 60332-1-2
Designed for 2 up to 8 million bending/unbending cycles in power chain applications

PRODUCT MAKE-UP

Extra-fine wire strand made of bare copper wires
Core insulation made of PVC
Non-woven wrapping
Outer sheath made of PVC
Outer sheath colour: grey (RAL 7001)

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
Mutual capacitance	C/C: approx. 100 nF/km
Inductivity	approx. 0.65 mH/km
Conductor stranding	Stranded, extra-fine wire
Minimum bending radius	Flexing: 5 x outer diameter Fixed installation: 3 x outer diameter
Test voltage	1500 V
Temperature range	Flexing: -5°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 PS705 FD				
CKS PS705 14003	3 X 0.14	3.9	4.2	26
CKS PS705 14004	4 X 0.14	4.2	5.6	31
CKS PS705 14005	5 X 0.14	4.5	7	35
CKS PS705 14007	7 X 0.14	5.1	9.8	50
CKS PS705 140010	10 X 0.14	6.1	14	63
CKS PS705 140014	14 X 0.14	6.2	19.6	77
CKS PS705 140018	18 X 0.14	6.8	25.2	91
CKS PS705 140025	25 X 0.14	8.3	35	125
CKS PS705 25002	2 X 0.25	4.3	5	27
CKS PS705 25003	3 X 0.25	4.5	7.5	33
CKS PS705 25004	4 X 0.25	4.9	10	40
CKS PS705 25005	5 X 0.25	5.3	12.5	45
CKS PS705 25007	7 X 0.25	6.1	17.5	59
CKS PS705 250010	10 X 0.25	7.4	25	75
CKS PS705 250014	14 X 0.25	7.5	35	108
CKS PS705 250018	18 X 0.25	8.5	45	130
CKS PS705 250025	25 X 0.25	10.4	62.5	178
CKS PS705 34002	2 X 0.34	4.7	6.8	30
CKS PS705 34003	3 X 0.34	5	10.2	43
CKS PS705 34004	4 X 0.34	5.4	13.6	57
CKS PS705 34005	5 X 0.34	5.9	17	65
CKS PS705 34007	7 X 0.34	6.8	23.8	85
CKS PS705 340010	10 X 0.34	8.5	34	117
CKS PS705 340014	14 X 0.34	8.6	47.6	151
CKS PS705 340018	18 X 0.34	9.7	61.2	182
CKS PS705 340025	25 X 0.34	11.9	85	250