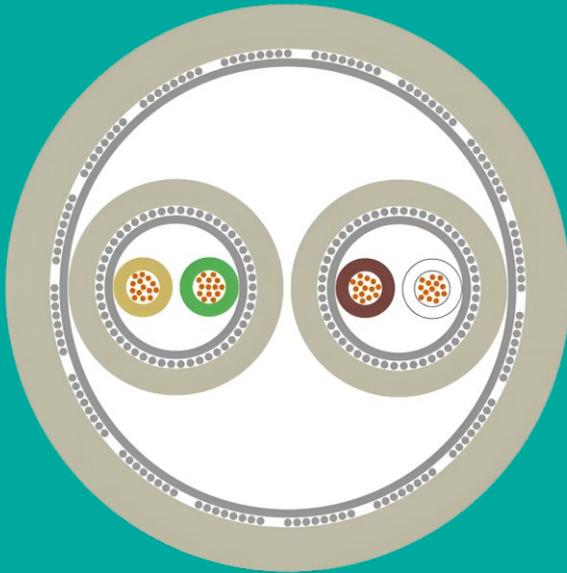




# 02

## CKS SAPFLEX PS701 TP

Screened data transmission cable with copper-wrapped twisted pairs



CKS Sapflex PS701 TP - Low-frequency data cable, Flexible, PVC, Screened, Twisted Pairs with copper wrapping screen, Inner sheath, Grey, IEC flame retardant

### ADVANTAGES

Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)  
Individually screened pairs and the overall braid minimise electrical interference

### APPLICATION RANGE

Cable should be used in areas with high levels of electromagnetic interferences  
Data processing, process control systems, machining centres, security systems and electronics

Suitable for the transmission with varying in frequency and voltage or sensitive signals  
For fixed installation and flexible use  
Dry or damp rooms

### PRODUCT FEATURES

The cable remains flexible despite multiple screening  
Flame-retardant according IEC 60332-1-2

### PRODUCT MAKE-UP

Fine-wire strand made of bare copper wires  
Core insulation made of PVC  
Cores twisted into pairs  
Copper wrapping over pairs  
Inner sheath made of PVC over screened pairs  
Tinned-copper braiding  
Outer sheath made of PVC  
Outer sheath colour: grey (similar to pebble grey/ RAL 7032)

### 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. 120 nF/km C/S: approx. 160 nF/km
Inductivity	approx. 0.65 mH/km
Conductor stranding	Stranded conductor, fine-wire
Minimum bending radius	Fixed installation: 6 x outer diameter
Loop resistance	< 160 Ohm/km
Characteristic impedance	Approx. 65 Ohm
Temperature range	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

## ELECTRICAL INFORMATION

Article number	Dimension and cross section in mm <sup>2</sup>	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]
<b>CKS SAPFLEX PS701 TP</b>				
CKS PS701 250202	2 x 2 x 0.25	9.3	59.6	112
CKS PS701 250203	3 x 2 x 0.25	9.8	72.7	136
CKS PS701 250204	4 x 2 x 0.25	10.7	88.2	168
CKS PS701 250205	5 x 2 x 0.25	11.7	103.8	201
CKS PS701 250206	6 x 2 x 0.25	13.1	125.7	244
CKS PS701 250208	8 x 2 x 0.25	15.7	161	325
CKS PS701 2502010	10 x 2 x 0.25	16.9	186.8	342
CKS PS701 2502012	12 x 2 x 0.25	17.4	239.5	416
CKS PS701 25020116	16 x 2 x 0.25	19.3	316.7	542