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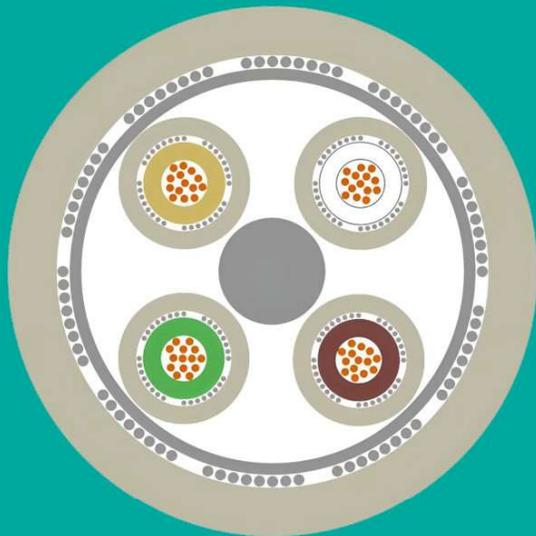

CKS SAPFLEX PS700

Screened data transmission cable with individually screened cores

CKS Sapflex PS700 - Low-frequency PVC data cable, DIN 47100 color coded, Single-core screen, Overall screen, Flexible, Flame retardant, Instrumentation Control

ADVANTAGES

Overall braid minimises electrical interference
Individually screened cores minimise crosstalk between cables routed in parallel

APPLICATION RANGE

When a lossless transmission of data has to be guaranteed in fields with strong interference, cables with individually-screened cores and an additional overall screening are used
Dry or damp rooms

PRODUCT FEATURES

Wire-screen can be used as outer conductor
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
Tinned-copper braiding for each core
Inner sheath made of PVC over each screened core
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	Approx. 230 nF/km
Inductivity	Approx. 0.2 mH/km
Conductor stranding	Stranded conductor, fine-wire
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 7.5 x outer diameter
Temperature range	Occasional flexing: –5°C to +70°C Fixed installation: –40°C to +80°C

ELECTRICAL INFORMATION

Article number	Number of cores and mm² per	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]
CKS SAPFLEX PS700				
CKS PS700	2 x 0.25	7	42	69
CKS PS700	3 x 0.25	7	53	106
CKS PS700	4 x 0.25	8	65	130
CKS PS700	5 x 0.25	9	78	161