



17

CKS SAPFLEX PS516 CY

Screened encoder cable with PVC outer sheath for static use



CKS Sapflex PS516 CY - shielded rotary encoder cable for fixed installation or occasional flexing with UL/CUL AWM certification

Fits to various encoder systems
Low-capacitance design

ADVANTAGES

Analogue and incremental encoders in servo drives
For static and occasionally flexible use
Measurement, control and electrical applications
Industrial machinery and plant engineering
Only for outdoor use within the indicated operating temperature range, with UV-protection

APPLICATION RANGE

Flammability:
UL/CSA: VW-1, Ft1
IEC/EN: 60332-1-2
Low attenuation ensures a longer transmission distance
Oil-resistant

PRODUCT FEATURES

Low capacitance
Flammability:
UL/CSA: VW-1, FT1
IEC/EN: 60332-1-2
Oil-resistant
EMC-compliant

PRODUCT MAKE-UP

Fine-wire, tinned-copper conductor
Core insulation: polypropylene (PP)
Cores (or core pairs) twisted in layers or bundles
Non-woven wrapping
PVC jacket, green (RAL 6018)

TECHNICAL DATA

Classification ETIM 5	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5mm ²
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	IEC: 30 V UL & CSA: 300 V
Test voltage	C/C: 2000 V C/S: 1000 V
Temperature range	Occasional flexing: -5°C to +70°C (UL: +80°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 PS516 CY				
CKS PS516-01	(5x2x22AWG)	7.9	71	115
CKS PS516-02	(10x0,14+2x0,5)	7.0	41	84
CKS PS516-03	(10x0,14+4x0,5)	7.6	53	101
CKS PS516-03	(15x0,14+4x0,5)	7.6	68	115
CKS PS516-04	(4x2x0,14+4x0,5)	7.9	58	97
CKS PS516-05	(7x2x0,14+2x0,5)	8.5	60	115
CKS PS516-06	(4x2x0,34+4x0,5)	8.3	79	129
CKS PS516-07	(3x(2x0,14)+4x0,14+2x0,5)	8.2	68	120
CKS PS516-08	(3x(2x0,14)+	9.7	80	160
CKS PS516-09	(4x2x0,25+2x0,5)	7.9	59	103
CKS PS516-010	(4x2x0,25+2x1,0)	7.6	63	112
CKS PS516-011	(4x2x0,14+4x1,0+(4x0,14))	9.0	110	155
CKS PS516-012	(3x(2x0,14)+2x(0,5))	9.0	87	140
CKS PS516-013	3x(2x0,14)+(2x0,5)	9.3	87	140
CKS PS516-014	3x(2x0,14)+(3x0,14)	9.2	41	115
CKS PS516-015	4x(2x0,14)+(2x1,0)	10.4	84	145
CKS PS516-016	(5x2x0,25)	7.4	50	96
CKS PS516-017	(6x2x0,25)	8.0	60	114