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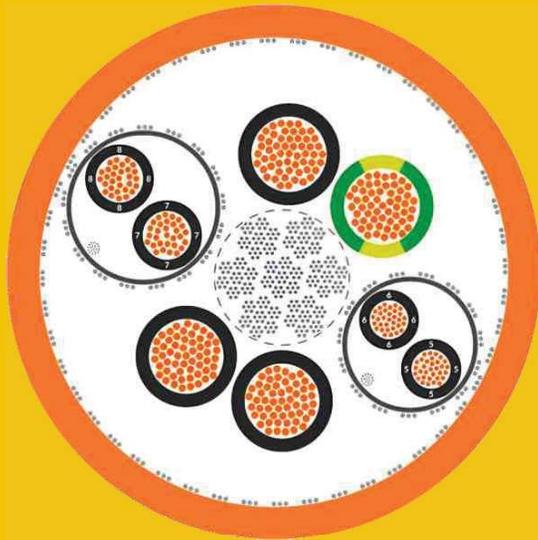
CKS SAPFLEX PS515 CY

Screened, low capacitive servo cable with PVC outer sheath for static use



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CKS Sapflex PS515 CY - Screened, low capacitive servo cable for fixed installation or occasional flexing with UL/CUL AWM certification

Low-capacitance design
Product range extension

ADVANTAGES

Suitable for use with servomotor product lines from leading drive manufacturers
Longer cable installation lengths thanks to low mutual capacitance cable design
Multi-standard certification reduces part varieties and saves costs
Space and weight-saving installations due to small cable diameters

Copper braiding screens the cable against electromagnetic interference

APPLICATION RANGE

Connecting cable between servo controller and motor
For static and occasionally flexible use
Plant engineering
Industrial machinery and machine tools
Printing machines

PRODUCT FEATURES

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

PRODUCT MAKE-UP

Fine-wire, bare copper conductor
Core insulation: polypropylene (PP)
Individual design depending on the item:
Power cores without or with one or two individually shielded control core pairs twisted together in short lay lengths
Power cores with control core triplet twisted together in short lay lengths
Tinned copper screen braiding
PVC outer sheath, orange (RAL 2003)

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
Conductor stranding	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	Power cores and control cores: IEC U0/U: 600/1000 V UL & CSA: 1000 V

Test voltage Core/Core: 4 kV
 Core/Screen: 4 kV

Current rating G = with GN-YE protective conductor

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 PS515 CY				
CKS PS515 5104	4 X 1.5	8.4	83	130
CKS PS515 5204	4 X 2.5	9.9	125	190
CKS PS515 404	4 X 4	11.7	191	273
CKS PS515 604	4 X 6	13.7	290	394
CKS PS515 1004	4 X 10	16.7	452	581
CKS PS515 1604	4 X 16	20.1	721	884
CKS PS515 2504	4 X 25	24.3	1100	1348
CKS PS515 3504	4 X 35	27.7	1548	1840
CKS PS515 5004	4 X 50	33.7	2151	2645
CKS PS515 7504502	4 X 0.75 + (2 x 0.5)	8.9	78	159
CKS PS515 104502	4 X 1 + (2 x 0.5)	9.3	88	147
CKS PS515 104102	4 X 1 + (2 x 1.0)	10.2	107	204
CKS PS515 5104502	4 X 1.5 + (2 x 0.5)	10.3	111	180
CKS PS5155104102	4 X 1.5 + (2 x 1.0)	10.8	130	230
CKS PS515 5104103	4 X 1.5 + (3 x 1.0)	11.5	145	225
CKS PS515 51045102	4 X 1.5 + (2 x 1.5)	11.5	146	242
CKS PS515 5204502	4 X 2.5 + (2 x 0.5)	11.7	158	247
CKS PS515 5204102	4 X 2.5 + (2 x 1.0)	12.1	173	293
CKS PS515 5204103	4 X 2.5 + (3 x 1.0)	12.9	188	290
CKS PS515 52045102	4 X 2.5 + (2 x 1.5)	12.9	189	306
CKS PS515 404102	4 X 4 + (2 x 1.0)	14.3	250	373
CKS PS515 404103	4 X 4 + (3 x 1.0)	14.8	270	402
CKS PS515 4045102	4 X 4 + (2 x 1.5)	15	271	420
CKS PS515 406102	4 X 6 + (2 x 1.0)	16.0	334	485
CKS PS515 6045102	4 X 6 + (2 x 1.5)	17	351	529

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
CKS PS515 6045103	4 X 6 + (3 x 1.5)	17.0	370	537
CKS PS515 1004102	4 X 10 + (2 x 1.0)	18.8	526	712
CKS PS515 10045102	4 X 10 + (2 x 1.5)	19.5	540	752
CKS PS515 10045103	4 X 10 + (3 x 1.5)	19.5	559	758
CKS PS515 1604102	4 X 16 + (2 x 1.0)	22.3	772	991
CKS PS515 16045102	4 X 16 + (2 x 1.5)	22.5	785.2	999
CKS PS515 16045103	4 X 16 + (3 x 1.5)	23.0	805	1151
CKS PS515 25045102	4 X 25 + (2 x 1.5)	26.1	1,184.9	1459
CKS PS515 35045102	4 X 35 + (2 x 1.5)	30.4	1,598.1	1971
CKS PS515 50045102	4 X 50 + (2 x 1.5)	34.0	2,205.2	2713
CKS PS515 75043402	4 X 0.75 + 2 x (2 x 0.34)	9.7	99	163
CKS PS515 1047502	4 X 1 + 2 x (2 x 0.75)	11.3	126.4	207
CKS PS515 51047502	4 X 1.5 + 2 x (2 x 0.75)	12.3	150	245
CKS PS515 5204102	4 X 2.5 + 2 x (2 x 1.0)	14.7	223	357
CKS PS515 404102	4 X 4 + 2 x (2 x 1.0)	16.4	288	452
CKS PS515 4041025102	4 X 4 + (2 x 1.0) + (2 x 1.5)	16.6	307	469
CKS PS515 4061025102	4 X 6 + (2 x 1.0) + (2 x 1.5)	18.5	421	617
CKS PS515 10041025102	4 X 10 + (2 x 1.0) + (2 x 1.5)	22.1	588	852
CKS PS515 16045102	4 X 16 + 2 x (2 x 1.5)	25	876	1162
CKS PS515 25045102	4 X 25 + 2 x (2 x 1.5)	28.7	1227	1590
CKS PS515 35045102	4 X 35 + 2 x (2 x 1.5)	30.6	1652	2023
CKS PS515 50042502	4 X 50 + 2 x (2 x 2.5)	37	2264	2876