



09

CKS SAPFLEX PS708 FD CP (TP)

Shielded, High-Performance PUR Chain/Track cable
with TP's and AWM



CKS Sapflex Ps709 FD CP (TP) plus A - Shielded, Highly flexible, Low-capacitive PUR Data Cable w/ TP for sophisticated Chain Track, AWM

ADVANTAGES

Wide temperature range for applications in harsh climatic environments
Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)
UL AWM voltage rating 1000V in case of internal wiring (for instance, inside Industrial Platform under Field Labeling) allows for internal laying next to power cables with applied UL rating of 1kV
Overall braid minimises electrical interference



APPLICATION RANGE

Suitable for use in measuring, control and regulating circuits
Linear robots, automated handling equipment
Sophisticated design for high-performance chain/ track use
For use in Drag chain
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

PRODUCT FEATURES

Halogen-free, has low capacitance and is flexible down to -40°C
PUR outer sheath, tear and notch-resistant, resistant to mineral oils and abrasion when used in power chains
Low-adhesive surface, resistant to hydrolysis and microbes, commonly for outdoor use (not in North America) thanks to UV and ozone resistance
Flame retardance: IEC 60332-1-2, Ft2

PRODUCT MAKE-UP

Extra-fine wire strand made of bare copper wires
Core insulation: Based on Polyolefin
TP structure
Non-woven wrapping
Tinned-copper braiding
Outer sheath made of special PUR compound

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	Up to 0.5 mm ² : 60 nF/km Up to 1.0 mm ² : 70 nF/km
Inductivity	approx. 0.65 mH/km
Conductor stranding	Stranded, extra-fine wire
Torsion movement in WTG	TW-0 & TW-2, refer to Appendix T0
Minimum bending radius	Flexing: 7.5 x outer diameter Fixed installation: 4 x outer diameter
Test voltage	Core/Core: 1500 V Core/Shield: 1500 V
Temperature range	-40°C to +80°C cRUus AWM: max. +80°C

ELECTRICAL INFORMATION

Article number	Number of pairs and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS708 140202	2 x 2 x 0.14	5.9	19.4	42
CKS PS708 140203	3 x 2 x 0.14	6.2	23.4	47
CKS PS708 140204	4 x 2 x 0.14	6.7	27.1	59
CKS PS708 140205	5 x 2 x 0.14	7.3	37.4	68
CKS PS708 140206	6 x 2 x 0.14	7.5	49.4	91
CKS PS708 140208	8 x 2 x 0.14	8.8	54.8	109
CKS PS708 1402010	10 x 2 x 0.14	10.1	60.1	120
CKS PS708 250201	1 x 2 x 0.25	4.7	14	27
CKS PS708 250202	2 x 2 x 0.25	6.6	32	60
CKS PS708 250203	3 x 2 x 0.25	7	38.4	72
CKS PS708 250204	4 x 2 x 0.25	7.6	43.2	85
CKS PS708 250205	5 x 2 x 0.25	8.5	51.5	92
CKS PS708 250206	6 x 2 x 0.25	8.8	71.8	114
CKS PS708 250208	8 x 2 x 0.25	10.3	74.4	155
CKS PS708 2502010	10 x 2 x 0.25	11.8	90	186
CKS PS708 2502014	14 x 2 x 0.25	12	111.2	219
CKS PS708 340201	1 x 2 x 0.34	5.1	20	36
CKS PS708 340202	2 x 2 x 0.34	7.3	41	69
CKS PS708 340203	3 x 2 x 0.34	8	52	101
CKS PS708 340204	4 x 2 x 0.34	8.7	59	106
CKS PS708 340206	6 x 2 x 0.34	10	86.2	165
CKS PS708 340208	8 x 2 x 0.34	11.8	107.3	221
CKS PS708 3402010	10 x 2 x 0.34	13.7	131.1	274
CKS PS708 50201	1 x 2 x 0.5	5.5	22	47
CKS PS708 50202	2 x 2 x 0.5	8.3	50	99
CKS PS708 50203	3 x 2 x 0.5	8.8	71.8	130
CKS PS708 50204	4 x 2 x 0.5	9.8	74.4	148
CKS PS708 50205	5 x 2 x 0.5	10.7	84.5	168
CKS PS708 50206	6 x 2 x 0.5	11.3	99.6	194
CKS PS708 50208	8 x 2 x 0.5	13.2	144.3	284
CKS PS708 502010	10 x 2 x 0.5	15.2	176	343
CKS PS708 502014	14 x 2 x 0.5	15.5	215.4	401
CKS PS708 750201	1 x 2 x 0.75	5.9	34	61
CKS PS708 750202	2 x 2 x 0.75	9	60	112
CKS PS708 750203	3 x 2 x 0.75	9.8	85.7	157
CKS PS708 750204	4 x 2 x 0.75	10.7	93.6	172

Article number	Number of pairs and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS708 750206	6 x 2 x 0.75	12.3	130.4	231
CKS PS708 750208	8 x 2 x 0.75	14.7	192.2	342
CKS PS708 7502010	10 x 2 x 0.75	16.7	258	390
CKS PS708 7502014	14 x 2 x 0.75	17	316.6	545
CKS PS708 10201	1 x 2 x 1.0	6.3	42	71
CKS PS708 10202	2 x 2 x 1.0	9.9	73	129
CKS PS708 10203	3 x 2 x 1.0	10.5	93.6	169
CKS PS708 10204	4 x 2 x 1.0	11.8	117.8	204
CKS PS708 10205	5 x 2 x 1.0	13.1	139	237