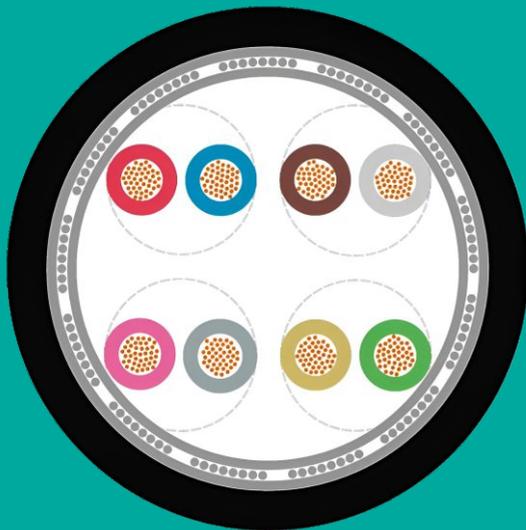




08

CKS SAPFLEX PS707 (TP) A BE

Shielded, low-capacitance, twisted-pair PE/PVC data cable for power chain/cable carrier



CKS Sapflex Ps707 (TP) A BE - Low capacitance

ADVANTAGES

Improved transmission characteristics thanks to low-capacitance core insulation and twisted pairs
Cable specification optimized for use in power chain/cable carrier



APPLICATION RANGE

Suitable for use in measuring, control and regulating circuits
Linear robots, automated handling equipment
Use in drag chain/cable carrier/power track - in case of horizontal installation travel distances up to 50 m

PRODUCT FEATURES

Low capacitance
EMC optimized thanks to overall copper braid shielding
Flexibility for use inside power chain/cable carrier
Oil-resistant according to DIN EN 50290-2-22 (TM54)
Flame-retardant acc. to IEC 60332-1-2,
UL VW-1, Cable Flame Test, CSA FT 1

PRODUCT MAKE-UP

Flexible conductor made of bare copper strands
Low-capacitance PE core insulation
Non-woven wrapping
Tinned-copper braiding
Outer sheath made of PVC
Outer sheath colour: black

TECHNICAL DATA

Classification ETIM 5	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data 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	Fine wire From 0.5 mm ² : Finest wire/Conductor class 6 acc. to IEC 60228
Minimum bending radius	Flexing: 7.5 x outer diameter Fixed installation: 4 x outer diameter
Temperature range	Flexing: VDE: -5 °C to 70 °C UL AWM: -5 °C to 80 °C Stationary use: VDE: -40 °C to 70 °C UL AWM: -5 °C to 80 °C

Loop resistance

Ohmic (DC) and loop/bidirectional @ 20 °C

0.14 mm² (26 AWG): 276.0 Ω km;

0.25 mm² (24 AWG): 158.0 Ω km;

0.34 mm² (22 AWG): 110.8 Ω km;

0.5 mm² (21 AWG): 78.0 Ω km;

0.75 mm² (19 AWG): 52.0 Ω km;

1 mm² (18 AWG): 39.0 Ω km

ELECTRICAL INFORMATION

Article number	Dimension and cross section in mm ²	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]
CKS707 140201	1 x 2 x 0.14	4.3	11.2	23
CKS707 140202	2 x 2 x 0.14	5.9	19.4	42
CKS707 140203	3 x 2 x 0.14	6.2	23.4	47
CKS707 140204	4 x 2 x 0.14	6.7	27.1	57
CKS707 140205	5 x 2 x 0.14	7.3	37.4	68
CKS707 140206	6 x 2 x 0.14	7.5	49.4	86
CKS707 140208	8 x 2 x 0.14	8.8	54.8	109
CKS707 1402010	10 x 2 x 0.14	10.1	60.1	120
CKS707 1402012	12 x 2 x 0.14	9.8	61.6	150
CKS707 250201	1 x 2 x 0.25	4.7	14.9	27
CKS707 250202	2 x 2 x 0.25	6.6	32	57
CKS707 250203	3 x 2 x 0.25	7	38.4	72
CKS707 250204	4 x 2 x 0.25	7.6	43.2	85
CKS707 250205	5 x 2 x 0.25	8.5	51.5	92
CKS707 250206	6 x 2 x 0.25	8.8	71.8	114
CKS707 250208	8 x 2 x 0.25	10.3	74.4	145
CKS707 2502010	10 x 2 x 0.25	11.8	90	182
CKS707 2502014	14 x 2 x 0.25	12	111.2	213
CKS707 2502025	25 x 2 x 0.25	16.3	310	310
CKS707 340201	1 x 2 x 0.34	5.1	18.1	36
CKS707 340202	2 x 2 x 0.34	7.3	41	69
CKS707 340203	3 x 2 x 0.34	8	52	93
CKS707 340204	4 x 2 x 0.34	8.7	59	106
CKS707 340205	5 x 2 x 0.34	9.7	67	136
CKS707 340206	6 x 2 x 0.34	10	86.2	165
CKS707 340208	8 x 2 x 0.34	11.8	107.5	221
CKS707 3402010	10 x 2 x 0.34	13.7	131.1	274
CKS707 50201	1 x 2 x 0.5	5.5	23	47

Article number	Dimension and cross section in mm ²	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]
CKS707 50202	2 x 2 x 0.5	8.3	50	99
CKS707 50203	3 x 2 x 0.5	8.8	71.8	120
CKS707 50204	4 x 2 x 0.5	9.8	74.4	130
CKS707 50205	5 x 2 x 0.5	10.7	84.5	164
CKS707 50206	6 x 2 x 0.5	11.3	99.6	182
CKS707 50208	8 x 2 x 0.5	13.2	144.3	278
CKS707 502010	10 x 2 x 0.5	15.2	176	325
CKS707 502014	14 x 2 x 0.5	15.5	215.4	401
CKS707 750201	1 x 2 x 0.75	5.9	35	61
CKS707 750202	2 x 2 x 0.75	9	60	104
CKS707 750203	3 x 2 x 0.75	9.8	85.7	148
CKS707 750204	4 x 2 x 0.75	10.7	93.6	167
CKS707 750205	5 x 2 x 0.75	11.9	115	202
CKS707 750206	6 x 2 x 0.75	12.3	130.4	233
CKS707 750208	8 x 2 x 0.75	14.7	192.2	330
CKS707 7502010	10 x 2 x 0.75	16.7	258	390
CKS707 7502014	14 x 2 x 0.75	17	316.6	515
CKS707 10201	1 x 2 x 1.0	6.3	42	71
CKS707 10202	2 x 2 x 1.0	9.9	73	126
CKS707 10203	3 x 2 x 1.0	10.5	93.6	167
CKS707 10204	4 x 2 x 1.0	11.8	117.8	213
CKS707 10205	5 x 2 x 1.0	13.1	139	247