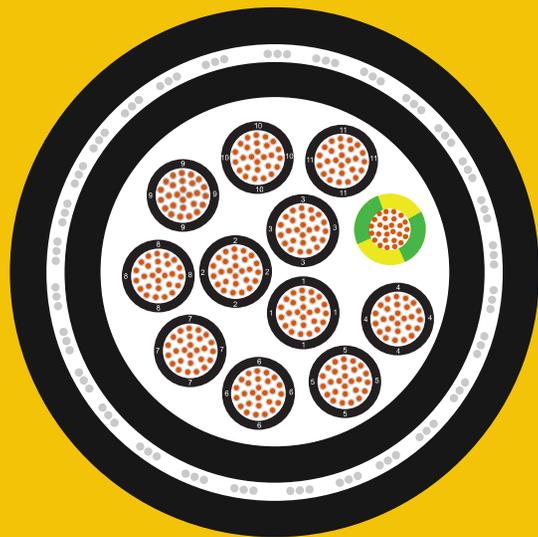




09

CKS SAPFLEX PS508

Screened, abrasion- and oil-resistant control cable with PUR sheath for increased application requirements



CKS Sapflex PS508- PUR control cable, screened, for oil- and abrasion resistant application in industrial machinery automation and appliances

- High mechanical strength
- Good oil resistance
- EMC compliant copper screening

ADVANTAGES

Increased durability under harsh conditions thanks to robust PUR outer sheath
Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media



Compatible with a multitude of acidic cleaning and disinfection solutions
Additional robustness thanks to inner sheath
Copper braiding screens the cable against electromagnetic interference

APPLICATION RANGE

Industrial machinery and machine tools
Measurement, control and electrical applications
Food production and packaging machinery
Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress
Under consideration of the temperature range also suitable for flexible outdoor use

PRODUCT FEATURES

- High oil-resistance
- Abrasion and notch-resistant
- EMC-compliant
- Low-adhesive surface
- Resistant to hydrolysis and microbes

PRODUCT MAKE-UP

- Fine-wire, bare copper conductor
- Core insulation: special PVC
- Cores twisted in layers
- PVC inner sheath, grey
- Tinned-copper braiding
- Special polyurethane outer sheath (PUR)

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: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	U0/U: 300/500 V
Test voltage	4000 V

Protective conductor: G = with GN-YE protective conductor
X = without protective conductor

Temperature range: Occasional flexing: -5°C to +70°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 PS508				
CKS PS508 75002	2 X 0.75	7.4	45	85
CKS PS508 75003	3 X 0.75	7.9	52	99
CKS PS508 75004	4 X 0.75	8.4	77	114
CKS PS508 75005	5 X 0.75	8.9	84	130
CKS PS508 75007	7 X 0.75	9.7	92	161
CKS PS508 750012	12 X 0.75	12.3	138	245
CKS PS508 750018	18 X 0.75	14.5	219	354
CKS PS508 750025	25 X 0.75	16.6	277	463
CKS PS508 750034	34 X 0.75	18.9	420	598
CKS PS508 750041	41 X 0.75	20.6	500	725
CKS PS508 0102	2 X 1.0	7.9	50	97
CKS PS508 0103	3 X 1.0	8.2	77	111
CKS PS508 0104	4 X 1.0	8.7	87	129
CKS PS508 0105	5 X 1.0	9.5	90	152
CKS PS508 0107	7 X 1.0	10.2	110	184
CKS PS508 01012	12 X 1.0	13.3	194	306
CKS PS508 01018	18 X 1.0	15.5	267	417
CKS PS508 01025	25 X 1.0	17.5	379	541
CKS PS508 01034	34 X 1.0	20.3	516	735
CKS PS508 01041	41 X 1.0	22	610	860
CKS PS508 5102	2 X 1.5	8.5	77	116
CKS PS508 5103	3 X 1.5	8.9	85	135
CKS PS508 5104	4 X 1.5	9.6	100	162
CKS PS508 5105	5 X 1.5	10.3	120	187
CKS PS508 5107	7 X 1.5	11.3	152	236
CKS PS508 51012	12 X 1.5	14.8	267	392
CKS PS508 51018	18 X 1.5	17.2	400	536
CKS PS508 51025	25 X 1.5	20.1	572	742
CKS PS508 51034	34 X 1.5	21.9	754	960

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
CKS PS508 51041	41 X 1.5	24.7	874	1118
CKS PS508 5203	3 X 2.5	10.3	121	191
CKS PS508 5204	4 X 2.5	11.3	163	232
CKS PS508 5205	5 X 2.5	12.6	199	282
CKS PS508 5207	7 X 2.5	13.9	261	370
CKS PS508 52012	12 X 2.5	17.2	470	580
CKS PS508 0404	4 X 4.0	13.4	238	345
CKS PS508 0405	5 X 4.0	14.7	279	412
CKS PS508 0604	4 X 6.0	15.8	318	483
CKS PS508 0605	5 X 6.0	17.3	370	576
CKS PS508 01004	4 X 10.0	19	558	733
CKS PS508 01604	4 X 16.0	22.2	804	1340