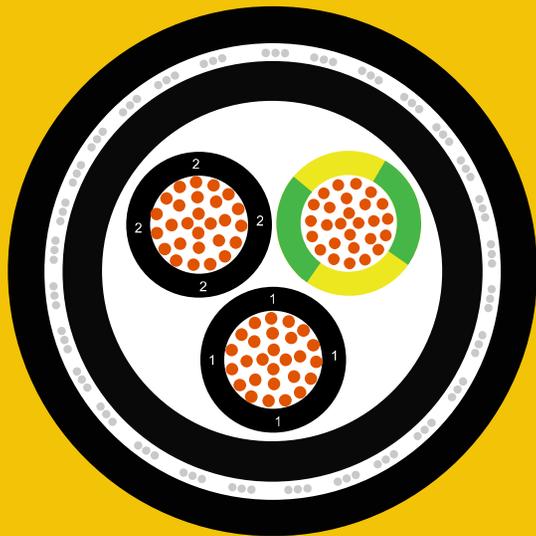




06

CKS SAPFLEX PS505 SH



CKS Sapflex PS505 SH – power and control cable, various applications, PVC, conductor class 5, numbered black cores, screened, outdoor

Good outdoor performance

APPLICATION RANGE

- Plant engineering
- Industrial machinery
- Heating and air-conditioning systems
- Power stations
- For frequency converter-powered 3-phase AC motors



In EMC-sensitive environments (electromagnetic compatibility)
 Servo Drive Connection Cable
 For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
 Each dimension with nominal/ minimum average wall thickness of the outer sheath of at least 1.8 mm: For applications where a strengthened outer sheath may turn out to be advantageous

PRODUCT FEATURES

- Flame-retardant according IEC 60332-1-2
- UV and weather-resistant according to ISO 4892-2
- Ozone-resistant according to EN 50396
- High degree of screening low transfer impedance (max. 250 Ω/km at 30 MHz)

PRODUCT MAKE-UP

- Fine-wire strand made of bare copper wires
- PVC insulation
- PVC inner sheath, black
- Tinned-copper braiding
- PVC outer sheath

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 |
| Torsion movement in WTC | TW-0 & TW-1, refer to Appendix T0 |
| Minimum bending radius | Static/Occ. moved: 4/15xOD* |
| Nominal voltage | U0/U: 600/1000 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 SAPPFLEX PS505 SH | | | | |
| CKS PS505 75002 | 2 X 0.75 | 10.5 | 46 | 150 |
| CKS PS505 75003 | 3 X 0.75 | 10.9 | 56 | 180 |
| CKS PS505 75004 | 4 X 0.75 | 11.4 | 67 | 214 |
| CKS PS505 75005 | 5 X 0.75 | 12.1 | 78 | 272 |
| CKS PS505 75007 | 7 X 0.75 | 12.9 | 97 | 242 |
| CKS PS505 750012 | 12 X 0.75 | 15.8 | 168 | 464 |
| CKS PS505 750018 | 18 X 0.75 | 18 | 229 | 616 |
| CKS PS505 750025 | 25 X 0.75 | 20.7 | 296 | 762 |
| CKS PS505 0102 | 2 X 1.0 | 10.8 | 52 | 160 |
| CKS PS505 0103 | 3 X 1.0 | 11.2 | 66 | 182 |
| CKS PS505 0104 | 4 X 1.0 | 11.8 | 79 | 210 |
| CKS PS505 0105 | 5 X 1.0 | 12.6 | 93 | 252 |
| CKS PS505 0107 | 7 X 1.0 | 13.3 | 117 | 335 |
| CKS PS505 01012 | 12 X 1.0 | 16.4 | 204 | 522 |
| CKS PS505 01018 | 18 X 1.0 | 18.7 | 280 | 687 |
| CKS PS505 01025 | 25 X 1.0 | 21.6 | 369 | 884 |
| CKS PS505 5102 | 2 X 1.5 | 11.8 | 69 | 243 |
| CKS PS505 5103 | 3 X 1.5 | 12.3 | 87 | 273 |
| CKS PS505 5103 | 3 X 1.5 | 12.3 | 87 | 273 |
| CKS PS505 5104 | 4 X 1.5 | 13 | 102 | 290 |
| CKS PS505 5105 | 5 X 1.5 | 13.9 | 125 | 352 |
| CKS PS505 5107 | 7 X 1.5 | 15 | 180 | 448 |
| CKS PS505 51012 | 12 X 1.5 | 18.7 | 281 | 690 |
| CKS PS505 51018 | 18 X 1.5 | 21.8 | 391 | 938 |
| CKS PS505 51025 | 25 X 1.5 | 25.1 | 518 | 1180 |
| CKS PS505 5203 | 3 X 2.5 | 13.5 | 123 | 315 |
| CKS PS505 5204 | 4 X 2.5 | 14.6 | 168 | 349 |
| CKS PS505 5205 | 5 X 2.5 | 15.7 | 204 | 515 |
| CKS PS505 5207 | 7 X 2.5 | 17 | 265 | 619 |
| CKS PS505 52012 | 12 X 2.5 | 21.7 | 421 | 936 |
| CKS PS505 0404 | 4 X 4.0 | 16.2 | 238 | 587 |
| CKS PS505 0405 | 5 X 4.0 | 17.7 | 302 | 689 |
| CKS PS505 0407 | 7 X 4.0 | 19 | 396 | 828 |
| CKS PS505 0604 | 4 X 6.0 | 17.7 | 318 | 715 |
| CKS PS505 0605 | 5 X 6.0 | 19.2 | 419 | 862 |



| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/ km) | Weight (kg/ km) |
|------------------|---------------------------------------------------|---------------------|-----------------------|-----------------|
| CKS PS505 01004 | 4 X 10.0 | 21.7 | 574 | 875 |
| CKS PS505 01004 | 5 X 10.0 | 23 | 612 | 1037 |
| CKS PS505 01004 | 4 X 16.0 | 24.3 | 809 | 1400 |
| CKS PS505 01605 | 5 X 16.0 | 26.7 | 935 | 1600 |
| CKS PS505 02504 | 4 X 25.0 | 29.8 | 1165 | 2179 |
| CKS PS505 03504 | 4 X 35.0 | 32.7 | 1683 | 2893 |
| CKS PS505 05004 | 4 X 50.0 | 39.6 | 2368 | 4094 |
| CKS PS505 07004 | 4 X 70.0 | 44.5 | 3261 | 5467 |
| CKS PS505 09504 | 4 X 95.0 | 51 | 4055 | 5849 |
| CKS PS505 012004 | 4 X 120.0 | 58.1 | 5225 | 7509 |