

# SERVO-FLEX-PVC-JZ

Flexible power cables for normal requirements, EMC\*



## Cable structure

- Fine stranded copper core according to DIN VDE 0295 and IEC 60228 class 5 resp. 6
- Core insulation of supply cores PVC, control cores PE
- Color code supply cores black with white numerals 1,2,3 and green/yellow  
control cores (in pairs) 0,34 mm<sup>2</sup>: brown, white and green, yellow  
up to 0,75 mm<sup>2</sup>: black with white numerals 5,6 and 7,8
- Control cores are shielded in pairs of tinned copper braided screening
- Overall shield tinned copper braided screening, approx 85% coverage
- Outer sheath PVC, grey color
- Cable with control cores is stranded according to class 5
- Cable without control cores is stranded according to class 6 and is suitable for use in drag chains
- Self-extinguishing and flame-retardant according to DIN VDE 0482 part 265-2-1/EN 50265-2-1/IEC 60332-1

## Technical data

- Flexible shielded cable for power supply and drive of servomotors according to DIN VDE 0207, 0250, 0293, 0295, 0472, 0812 resp. IEC
- **Temperature range** flexing from -5 °C to +70 °C  
fixed from -30 °C to +80 °C
- **Nominal voltage** supply cores U<sub>0</sub>/U 0,6/1 kV  
control cores 350/350 V
- **Test voltage a.c.** core/core 4000 V  
core/screen 2000 V
- **Insulation resistance** to 20 °C ≥ 20 MΩ × km
- **Minimum bending radius**  
flexing from approx. 10× cable diameter  
fixed from approx. 7,5× cable diameter

## Application

Shielded power cable and shielded power cable with control cores for servomotors. Control cores are use for temperature sensors or brake for normal mechanical and electrical requirements for flexible and fixed laying. Cable is resistant to oil, coolant fluids and lubricants.

## Note

\*EMC = Electromagnetic compatibility – recommended type

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC

Conforms to RoHS.

Part No.	Number of cores × core cross-section [mm <sup>2</sup> ]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
02229600	4×0,75+2×(2×0,34)	11,0	108	210
02229601	4×1+2×(2×0,75)	11,7	165	295
02229602	4×1,5+2×(2×0,75)	12,8	186	325
02229603	4×2,5+2×(2×0,75)	14,9	231	413
02229604	4×4+2×(2×1)	16,6	309	525
02229605	4×6+2×(2×1)	17,7	396	651
02229606	4×10+2×(2×1)	22,0	576	1000
02229607	4×16+2×(2×1)	25,0	826	1345
02229608	4×25+2×(2×1,5)	29,0	1197	1745
02229609	4×35+2×(2×1,5)	32,5	1642	2300

Part No.	Number of cores × core cross-section [mm <sup>2</sup> ]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0222960	4×1,5	12,3	102	274
0222961	4×2,5	14,3	168	386
0222962	4×4	16,9	238	515
0222963	4×6	18,7	318	643
0222964	4×10	22,2	574	1058
0222965	4×16	26,1	809	1405
0222966	4×25	33,9	1269	2042
0222967	4×35	37,2	1653	2515
0222856	4×50	43,2	2490	3850