

# SERVO-FLEX-PUR-JZ

High flexible power cables for drag chains, EMC\*



## Cable structure

- Fine stranded copper core according to DIN VDE 0295 and IEC 60228 class 6.
- Core insulation TPE
- Cores are wrapped with soft textile tape
- Color code supply cores black with print WWW, VV, U and green/yellow
- Control cores black with print BR1, BR2
- Control cores are shielded in pairs of tinned copper braided screening
- Overall shield tinned copper braided screening, approx 85% coverage
- Special outer sheath PUR, orange color
- Resistant to oil according to DIN VDE 0472 part 803 test B
- Self-extinguishing and flame-retardant according to DIN VDE 0482 part 265-2-1/EN 50265-2-1/IEC 60332-1
- According to SIEMENS standard 6FX 8008-1BAxx, resp. 6FX 8008-1BBxx

## Technical data

- High flexible shielded power cable for drag chains according to DIN VDE 0207, 0250, 0293, 0295, 0472, 0812 resp. IEC
- **Temperature range** flexing from -30 °C to +80 °C  
fixed from -50 °C to +80 °C
- **Nominal voltage** supply cores  $U_o/U$  0,6/1 kV to DIN VDE 1 kV to cUL  
control cores 250 V to DIN VDE 1 kV to cUL
- **Test voltage a.c.** supply cores-core/core 4000 V  
core/screen 4000 V  
control cores-core/core 2000 V  
core/screen 2000 V
- **Insulation resistance** to 20 °C  $\geq 20 \text{ M}\Omega \times \text{km}$
- **Minimum bending radius** flexing acc. to table below  
fixed approx. 6x cable diameter
- **Aprobation** UL/CSA

## Application

Shielded power cable with control cores for temperature sensors or brakes. EMC – compatible connection between drives and frequency converter for high requirements in drag chain applications or moving drive systems. Cable is resistant to oil, coolant fluids and lubricants, flame-retardant, halogen-free.

## 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 x core cross-section [mm <sup>2</sup> ]	Approx. outer Ø [mm]	Copper weight [kg/km]	Minimum bending radius [mm]	Approx. cable weight [kg/km]
0278948	4x1,5+1x(2x1,5)	12,5 ± 0,4	129	125	250
0278949	4x2,5+1x(2x1,5)	13,8 ± 0,4	185	140	310
0278950	4x4+1x(2x1,5)	14,9 ± 0,4	251	150	400
0278951	4x6+1x(2x1,5)	17,3 ± 0,5	324	195	530
0278952	4x10+1x(2x1,5)	20,2 ± 0,6	522	230	740
0275956	4x16+1x(2x1,5)	24,1 ± 0,6	798	275	1100
0275957	4x25+1x(2x1,5)	27,2 ± 0,7	1130	325	1460
0275958	4x35+1x(2x1,5)	31,2 ± 0,8	1533	380	2100
0275959	4x50+1x(2x1,5)	35,0 ± 0,8	2135	420	2750

Part No.	Number of cores x core cross-section [mm <sup>2</sup> ]	Approx. outer Ø [mm]	Copper weight [kg/km]	Minimum bending radius [mm]	Approx. cable weight [kg/km]
0275943	4x1,5	10,0 ± 0,4	78	100	160
0275944	4x2,5	11,6 ± 0,4	119	120	240
0275945	4x4	12,7 ± 0,4	181	130	310
0275946	4x6	15,3 ± 0,5	282	170	430
0275947	4x10	18,0 ± 0,5	445	210	630
0275948	4x16	22,7 ± 0,6	740	260	950
0275949	4x25	25,8 ± 0,7	1130	310	1600
0275950	4x35	31,6 ± 0,8	1605	380	2000
0275951	4x50	35,4 ± 0,8	2150	420	2568