



We Make  
Modern Life  
Possible



# FLEXICS® SERVO

PVC/PVC servo-motor supply cable, unscreened

AUTOMATION AND MOTOR SUPPLY CABLES

PVC/PVC connection cable especially for frequency converters and servo motors. FLEXICS® SERVO cable are designed for fixed or flexible indoor installations without guidance and/or tensile stress.



## TECHNICAL DATA



**Test Voltage**  
4000 V / 50 Hz



**Rated Voltage**  
0.6/1 kV (U<sub>0</sub>/U)



**Bending radius (min.)**  
Fixed installation: 7.5 x  $\phi$  of cable  
Flexible use: 20 x  $\phi$  of cable



**Fire properties**  
EN 60332-1-2: self-extinguishing and flame retardant



**Core identification**  
Supply cores: black (continuously numbered) with green/yellow ground conductor  
Control pairs 0.34 mm<sup>2</sup>: colour coded  
Control pairs from 0.75 mm<sup>2</sup>: black with white numbers



**Temperature range**  
Fixed installation: -30°C up to 80°C  
Flexible use: -5°C up to 70°C

## DESIGN



- 1 Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
- 2 Core insulation of special compound based on polyvinyl chloride (PVC)
- 3 Control pairs individually screened with plastic laminated aluminium tape and tinned copper wires. Aluminium tape is not applied for 1-pair versions
- 4 Cores are stranded together with optimal lay-length
- 5 Non-woven tape separation
- 6 Outer sheath of special compound based on polyvinyl chloride (PVC), colour: grey (RAL 7001)

Number of cores x nominal cross-section (mm <sup>2</sup> )	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
4 G 0.75 + 2 x (2 x 0.34)	9.6	92	133
4 G 1.5 + 2 x (2 x 0.75)	12.4	101	225
4 G 1.5 + (2 x 0.75)	11.6	98	184
5 G 1.5 + (2 x 0.75)	12.6	110	213
7 G 1.5 + (2 x 0.75)	12.8	144	251
5 G 2.5 + (2 x 0.75)	14.5	159	297
7 G 2.5 + (2 x 0.75)	15.5	216	373
4 G 2.5 + 2 x (2 x 0.75)	13.7	142	275
4 G 2.5 + (2 x 0.75)	13.2	139	246
4 G 4 + (2 x 0.75 + 2 x 1)	15.4	218	369
4 G 6 + (2 x 0.75 + 2 x 1)	16.6	295	458
4 G 10 + (2 x 0.75 + 2 x 1)	20.4	448	705
4 G 16 + (2 x 2 x 1)	23.2	669	976
4 G 25 + (2 x 2 x 1.5)	29.0	1060	1524

**CONTACT PERSON**

Dipl. Ing. Peter Tomka  
+421 37 6969631  
peter.tomka@ics-cables.sk

