



We Make Modern  
Life Possible

# FLEXICS® CHAIN SERVO 911

PP/PUR servo-motor supply cable, halogen-free for drag chain application, unscreened



## TECHNICAL DATA



**Test Voltage**  
4000 V / 50 Hz



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



**Bending cycles**  
5 million



**Bending radius (min.)**  
Fixed installation: 5 x  $\phi$  of cable  
Flexible use: 7.5 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 cores: black with number printing



**Temperature range**  
Fixed installation: -50°C up to 80°C  
Flexible use: -30°C up to 80°C

## DESIGN



1

Bare copper conductors, super fine wires class 6 according to DIN EN 60228 / VDE 0295 / IEC 60228

2

Core insulation of special compound based on polypropylene (PP)

3

Control pairs individually screened with plastic laminated aluminium tape and tinned copper wires

4

Cores stranded together in short lay-lengths

5

Non-woven tape separation

6

Special polyurethane (PUR) outer sheath, colour: orange (RAL 2003) or 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 1.5 + 2 x (2 x 0.75)                                   | 14.0                      | 96               | 235                        |
| 4 G 1.5 + (2 x 1)                                          | 12.0                      | 87               | 186                        |
| 4 G 2.5 + 2 x (2 x 0.75)                                   | 14.6                      | 134              | 291                        |
| 4 G 2.5 + (2 x 1)                                          | 12.7                      | 125              | 241                        |
| 4 G 4 + (2 x 0.75) + (2 x 1)                               | 16.1                      | 206              | 370                        |
| 4 G 4 + (2 x 1)                                            | 14.8                      | 182              | 326                        |
| 4 G 6 + (2 x 0.75) + (2 x 1)                               | 17.6                      | 283              | 472                        |
| 4 G 6 + (2 x 1)                                            | 16.4                      | 259              | 433                        |

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