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AUTOMATION AND MOTOR SUPPLY CABLES

# FLEXICS® CHAIN SERVO 911C UL/c(UL)

UL recognized PP/PUR servo-motor supply  
cable, halogen-free for drag chain application,  
screened



## TECHNICAL DATA



### Certificate

UL AWM 20234 CSA C22.2 No. 210-11, AWM



### Test Voltage

4000 V / 50 Hz



### Rated Voltage

0.6/1 kV (Uo/U)  
1000 V (UL/CSA)



### Bending cycles

5 million



### Bending radius (min.)

Fixed installation:  $5 \times \varnothing$  of cable  
Flexible use:  $7.5 \times \varnothing$  of cable



### Fire properties

EN 60332-1-2: self-extinguishing and flame  
retardant  
UL: vertical flame test VW-1, cable flame test  
CSA: FT1



### Core identification

Supply cores: black (continuously numbered)  
with green/yellow ground conductor  
control cores: black with white number printing



### Temperature range

Fixed installation: -50°C up to 80°C  
Flexible use: -5°C up to 70°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 Wrapping with plastic tape
- 6 Tinned copper wire braiding
- 7 Non-woven wrapping over braiding
- 8 Special polyurethane (PUR) outer sheath, colour: orange (RAL 2003) or grey (RAL 7001)

| Number of cores x nominal cross-section (mm²) | Outer diameter appr. (mm) | Cu-value (kg/km) | Total weight appr. (kg/km) |
|-----------------------------------------------|---------------------------|------------------|----------------------------|
| 4 G 1.5 + 2 x (2 x 0.75)                      | 15.6                      | 150              | 304                        |
| 4 G 1.5 + (2 x 1)                             | 13.3                      | 131              | 242                        |
| 4 G 2.5 + 2 x (2 x 0.75)                      | 15.8                      | 190              | 356                        |
| 4 G 2.5 + (2 x 1)                             | 13.9                      | 175              | 295                        |
| 4 G 4 + (2 x 0.75) + (2 x 1)                  | 17.3                      | 267              | 434                        |
| 4 G 4 + (2 x 1)                               | 15.9                      | 238              | 373                        |
| 4 G 6 + (2 x 0.75) + (2 x 1)                  | 18.8                      | 371              | 537                        |
| 4 G 6 + (2 x 1)                               | 17.2                      | 318              | 470                        |
| 4 G 10 + (2 x 1) + (2 x 1.5)                  | 21.8                      | 610              | 819                        |
| 4 G 16 + 2 x (2 x 1.5)                        | 25.5                      | 801              | 1135                       |
| 4 G 25 + 2 x (2 x 1.5)                        | 28.8                      | 1187             | 1559                       |
| 4 G 35 + 2 x (2 x 1.5)                        | 30.9                      | 1588             | 2093                       |
| 4 G 50 + 2 x (2 x 2.5)                        | 36.3                      | 2557             | 2920                       |

## CONTACT PERSON

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