We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

# FLEXICS® CHAIN SERVO 911C

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

Highly flexible PP/PUR connection cable for frequency converters and servo motors, especially for continuous moving machine parts, e.g. within C-tracks. FLEXICS® CHAIN SERVO 911C cables are designed for indoor applications when exposed to high mechanical stress and increased resistance against a wide range of oils, greases, coolants and lubricants. Excellent EMC behavior.



### TECHNICAL DATA

**Test Voltage**
4000 V / 50Hz

**Rated Voltage**
0.6/1 kV (Uo/U)

**Bending cycles**
5 million

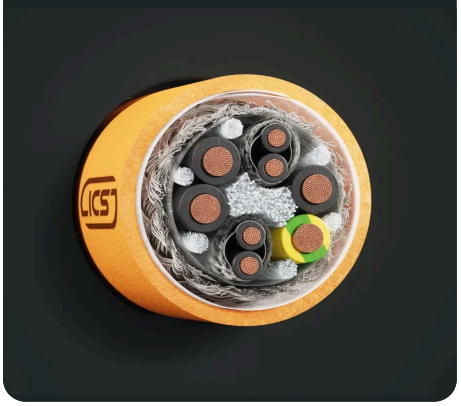
**Bending radius (min.)**
Fixed installation: 5 x Ø of cable
Flexible use: 7.5 x Ø of cable

**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: -30°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 |

Technical changes reserved. All figures are therefore without guarantee.



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