



We Make
Modern Life
Possible



FLEXICS® CHAIN SERVO 911C UL/c(UL)

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

AUTOMATION AND MOTOR SUPPLY CABLES

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 UL/c(UL) 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



Certificate

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



Test Voltage

4000 V / 50 Hz



Rated Voltage

0.6/1 kV (U₀/U)
1000 V (UL/CSA)



Bending cycles

5 million



Bending radius (min.)

Fixed installation: 5 x ϕ of cable
Flexible use: 7.5 x ϕ 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 (mm ²)	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

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

