



We Make
Modern Life
Possible



FLEXICS® CHAIN SERVO 911 UL/c(UL)

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

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 911 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.



TECHNICAL DATA



Certificate

UL AWM Style 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: 7.5x 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: -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 ²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
4 G 1.5 + (2 x 1.5)	11.9	99	215
4 G 2.5 + (2 x 1.5)	13.1	134	268
4 G 4 + (2 x 1.5)	14.3	195	326
4 G 6 + (2 x 1.5)	16.2	272	410
4 G 10 + (2 x 1.5)	18.6	425	580
4 G 16 + (2 x 1.5)	22.5	656	887
4 G 1.5 + 2 x (2 x 0.75)	12.5	103	215
4 G 2.5 + 2 x (2 x 0.75)	14.3	134	306
4 G 2.5 + 2 x (2 x 1.0)	14.5	152	312
4 G 4 + (2 x 1) + (2 x 1.5)	15.8	231	392
4 G 6 + (2 x 1) + (2 x 1.5)	17.3	308	465

CONTACT PERSON

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