We Make Modern Life Possible.

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

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 (Uo/U)
1000 V (UL/CSA)

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
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

Technical changes reserved. All figures are therefore without guarantee.



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