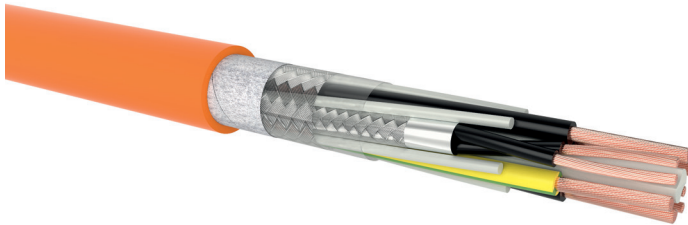


FLEXICS® CHAIN SERVO 911C UL/c(UL)

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

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)

APPLICATION

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



Rated voltage:
0.6/1 kV (U₀/U)
1000 V (UL/CSA)



Test voltage:
core / core 4000 V / 50 Hz



Temperature range:
fixed installation: -50 °C up to 80 °C
flexible use: -5 °C up to 70 °C



Bending radius (min.):
fixed installation: 5 x Ø of cable
flexible use: 7.5 x Ø of cable



Core identification:
supply cores: black (continuously numbered) with green/yellow ground conductor
control cores: black with number printing



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



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



Bending cycles:
5 million
for detailed application in drag chains see "General Technical Information" section

Number of cores x nominal cross-section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
FLEXICS® CHAIN SERVO 911C UL/c(UL)			
4 G 1.5 + 2 x (2 x 0.75)	15.6	150	304
4 G 2.5 + 2 x (2 x 0.75)	15.8	190	356
4 G 4 + (2 x 0.75) + (2 x 1)	17.3	267	434
4 G 6 + (2 x 0.75) + (2 x 1)	18.8	371	537
4 G 10 + (2 x 1) + (2 x 1.5)	21.8	610	819
4 G 1.5 + (2 x 1)	13.3	131	242
4 G 2.5 + (2 x 1)	13.9	175	295
4 G 4 + (2 x 1)	15.9	238	373
4 G 6 + (2 x 1)	17.2	318	470
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