We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® CHAIN SERVO 911

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

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 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

Test Voltage
4000 V / 50 Hz

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: -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 (mm²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
4 G 1.5 + 2 x (2 x 0.75)	14.0	96	235
4 G 1.5 + (2 x 1)	12.0	87	186
4 G 2.5 + 2 x (2 x 0.75)	14.6	134	291
4 G 2.5 + (2 x 1)	12.7	125	241
4 G 4 + (2 x 0.75) + (2 x 1)	16.1	206	370
4 G 4 + (2 x 1)	14.8	182	326
4 G 6 + (2 x 0.75) + (2 x 1)	17.6	283	472
4 G 6 + (2 x 1)	16.4	259	433

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

Dipl. Ing. Peter Tomka

+421 37 6969631
peter.tomka@ics-cables.sk