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INDUSTRIAL CABLES

FLEXICS® CHAIN SERVO 911

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



TECHNICAL DATA



Rated Voltage
0.6/1 kV (U₀/U)



Test Voltage
4000 V / 50 Hz



Bending radius (min.)
Fixed installation: 5 x Ø of cable
Flexible use: 7.5 x Ø of cable



Bending cycles
5 million



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



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)	Total weight appr. (kg/km)
4 G 1.5 + 2 x (2 x 0.75)	14.0	235
4 G 1.5 + (2 x 1)	12.0	186
4 G 2.5 + 2 x (2 x 0.75)	14.6	291
4 G 2.5 + (2 x 1)	12.7	241
4 G 4 + (2 x 0.75) + (2 x 1)	16.1	370
4 G 4 + (2 x 1)	14.8	326
4 G 6 + (2 x 0.75) + (2 x 1)	17.6	472
4 G 6 + (2 x 1)	16.4	433

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