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FLEXICS® CHAIN SERVO 911C

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



TECHNICAL DATA



Test Voltage
4000 V / 50Hz



Rated Voltage
0.6/1 kV (U₀/U)



Bending cycles
5 million



Bending radius (min.)
Fixed installation: 5 x ϕ of cable
Flexible use: 7.5 x ϕ 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: -30°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 (mm ²)	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

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