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Life Possible

INDUSTRIAL CABLES

FLEXICS® CHAIN SERVO 911C UL/c(UL)

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



TECHNICAL DATA



Rated Voltage
0.6/1 kV (U_o/U)
1000 V (UL/CSA)



Test Voltage
4000 V / 50 Hz



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



Bending cycles
5 million



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



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 20234 CSA C22.2 No. 210-11, AWM

DESIGN



Bare copper conductors, super fine wires class 6 according
to DIN EN 60228 / VDE 0295 / IEC 60228



Core insulation of special compound based on
polypropylene (PP)



Control pairs individually screened with plastic laminated
aluminium tape and tinned copper wires



Cores stranded together in short lay-lengths



Wrapping with plastic tape



Tinned copper wire braiding



Non-woven wrapping over braiding



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)	15.6	304
4 G 1.5 + (2 x 1)	13.3	242
4 G 2.5 + 2 x (2 x 0.75)	15.8	356
4 G 2.5 + (2 x 1)	13.9	295
4 G 4 + (2 x 0.75) + (2 x 1)	17.3	434
4 G 4 + (2 x 1)	15.9	373
4 G 6 + (2 x 0.75) + (2 x 1)	18.8	537
4 G 6 + (2 x 1)	17.2	470
4 G 10 + (2 x 1) + (2 x 1.5)	21.8	819
4 G 16 + 2 x (2 x 1.5)	25.5	1135
4 G 25 + 2 x (2 x 1.5)	28.8	1559
4 G 35 + 2 x (2 x 1.5)	30.9	2093
4 G 50 + 2 x (2 x 2.5)	36.3	2920

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