



We Make Modern
Life Possible

INDUSTRIAL CABLES

FLEXICS® SERVO C UL/c(UL)

UL recognized PVC/PVC servo-motor supply
cable, screened



TECHNICAL DATA



Certificate

UL AWM Style 20886
CSA C22.2 No. 210-11, AWM



Test Voltage

4000 V / 50 Hz



Rated Voltage

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



Bending radius (min.)

Fixed installation: 7.5 x ϕ of cable
Flexible use: 20 x ϕ of cable



Fire properties

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



Core identification

Supply cores: black (continuously numbered)
with green/yellow ground conductor
Control pairs 0.34 mm²: colour coded
Control pairs from 0.75 mm²: black with white
numbers



Temperature range

Fixed installation: -30°C up to 80°C
Flexible use: -5°C up to 70°C

DESIGN



Bare copper conductors, fine wires class 5 according to
DIN EN 60228 / VDE 0295 / IEC 60228



Core insulation of special compound based on polyvinyl
chloride (PVC)



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



Cores are stranded in layers with optimal lay-length



Plastic tape separation



Tinned copper wire braiding



Non-woven tape separation over braiding (optional)



Outer sheath of special compound based on polyvinyl
chloride (PVC), colour: grey (RAL 7001)

Number of cores x nominal cross-section (mm ²)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
4 G 0.75 + 2 x (2 x 0.34)	12.4	225
4 G 1.5 + 2 x (2 x 0.75)	14.8	343
4 G 2.5 + (2 x 2 x 0.75)	16.1	407
4 G 4 + (2 x 0.75 + 2 x 1)	17.6	498
4 G 6 + (2 x 0.75 + 2 x 1)	19.2	627
4 G 10 + (2 x 0.75 + 2 x 1)	23.0	909
4 G 16 + (2 x 2 x 1)	25.1	1190
4 G 25 + (2 x 2 x 1.5)	28.7	1854
4 G 35 + (2 x 2 x 1.5)	30.6	2023
4 G 50 + (2 x 2 x 2.5)	37.0	2876

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