



We Make Modern
Life Possible

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® SERVO UL/c(UL)

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



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 (Uo/U)
1000 V (UL/CSA)



Bending radius (min.)

Fixed installation: $7.5 \times \varnothing$ of cable
Flexible use: $20 \times \varnothing$ 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
Fixed installation: -30°C up to 80°C

DESIGN



- 1 Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
- 2 Core insulation of special compound based on polyvinyl chloride (PVC)
- 3 Control pairs individually screened with plastic laminated aluminium tape and tinned copper wires. Aluminium tape is not applied for 1-pair versions
- 4 Cores are stranded together with optimal lay-length
- 5 Non-woven tape separation
- 6 Outer sheath of special compound based on polyvinyl chloride (PVC), colour: 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 0.75 + 2 x (2 x 0.34)	11.6	92	201
4 G 1.5 + (2 x 0.75)	13.0	98	230
5 G 1.5 + (2 x 0.75)	13.8	110	258
7 G 1.5 + (2 x 0.75)	13.9	144	299
4 G 1.5 + 2 x (2 x 0.75)	14.0	101	294
4 G 2.5 + (2 x 0.75)	14.4	139	294
5 G 2.5 + (2 x 0.75)	15.5	159	349
7 G 2.5 + (2 x 0.75)	16.4	216	429
4 G 2.5 + (2 x 2 x 0.75)	15.1	142	349
4 G 4 + (2 x 0.75 + 2 x 1)	16.8	218	443
4 G 6 + (2 x 0.75 + 2 x 1)	18.0	295	532
4 G 10 + (2 x 0.75 + 2 x 1)	21.7	448	799
4 G 16 + (2 x 2 x 1)	24.4	669	1078
4 G 25 + (2 x 2 x 1.5)	30.1	1060	1713

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