We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® SERVO

PVC/PVC servo-motor supply cable, unscreened

PVC/PVC connection cable especially for frequency converters and servo motors. FLEXICS® SERVO cable are designed for fixed or flexible indoor installations without guidance and/or tensile stress.



TECHNICAL DATA

Test Voltage
4000 V / 50 Hz

Rated Voltage
0.6/1 kV (Uo/U)

Bending radius (min.)
Fixed installation: 7.5 x Ø of cable
Flexible use: 20 x Ø 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 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



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)	9.6	92	133
4 G 1.5 + 2 x (2 x 0.75)	12.4	101	225
4 G 1.5 + (2 x 0.75)	11.6	98	184
5 G 1.5 + (2 x 0.75)	12.6	110	213
7 G 1.5 + (2 x 0.75)	12.8	144	251
5 G 2.5 + (2 x 0.75)	14.5	159	297
7 G 2.5 + (2 x 0.75)	15.5	216	373
4 G 2.5 + 2 x (2 x 0.75)	13.7	142	275
4 G 2.5 + (2 x 0.75)	13.2	139	246
4 G 4 + (2 x 0.75 + 2 x 1)	15.4	218	369
4 G 6 + (2 x 0.75 + 2 x 1)	16.6	295	458
4 G 10 + (2 x 0.75 + 2 x 1)	20.4	448	705
4 G 16 + (2 x 2 x 1)	23.2	669	976
4 G 25 + (2 x 2 x 1.5)	29.0	1060	1524

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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