We Make Modern Life Possible.



AUTOMATION AND MOTOR SUPPLY CABLES

FLEXICS® SERVO C

PVC/PVC servo-motor supply cable, screened

PVC/PVC connection cable especially for frequency converters and servo motors. FLEXICS® SERVO C cable are designed for fixed or flexible indoor installations without guidance and/or tensile stress, especially when excellent EMC behaviour is required.

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
4. Cores are stranded together with optimal lay-length
5. Plastic tape
6. Tinned copper wire braiding
7. Non-woven tape separation over braiding (optional)
8. 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)	10.2	111	157
4 G 1.5 + 2 x (2 x 0.75)	13.2	148	274
4 G 2.5 + (2 x 2 x 0.75)	14.7	226	333
4 G 4 + (2 x 0.75 + 2 x 1)	16.2	304	424
4 G 6 + (2 x 0.75 + 2 x 1)	17.8	379	553
4 G 10 + (2 x 0.75 + 2 x 1)	21.6	592	815
4 G 16 + (2 x 2 x 1)	24.1	861	1088
4 G 25 + (2 x 2 x 1.5)	29.7	1262	1665

Technical changes reserved. All figures are therefore without guarantee.

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