



We Make
Modern Life
Possible



FLEXICS® SERVO C

PVC/PVC servo-motor supply cable, screened

AUTOMATION AND MOTOR SUPPLY CABLES

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 (U₀/U)



Bending radius (min.)
Fixed installation: 7.5 x \varnothing of cable
Flexible use: 20 x \varnothing 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 (mm ²) | 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 |

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