We Make Modern Life Possible.

FLEXICS® SERVO C UL/c(UL)

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

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



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 x Ø of cable
Flexible use: 20 x Ø 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



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 in layers with optimal lay-length
5. Plastic tape separation
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)	12.4	111	225
4 G 1.5 + 2 x (2 x 0.75)	14.8	148	343
4 G 2.5 + (2 x 2 x 0.75)	16.1	226	407
4 G 4 + (2 x 0.75 + 2 x 1)	17.6	304	498
4 G 6 + (2 x 0.75 + 2 x 1)	19.2	379	627
4 G 10 + (2 x 0.75 + 2 x 1)	23.0	592	909
4 G 16 + (2 x 2 x 1)	25.1	861	1190
4 G 25 + (2 x 2 x 1.5)	28.7	1262	1854
4 G 35 + (2 x 2 x 1.5)	30.6	1652	2023
4 G 50 + (2 x 2 x 2.5)	37.0	2264	2876

Technical changes reserved. All figures are therefore without guarantee.



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