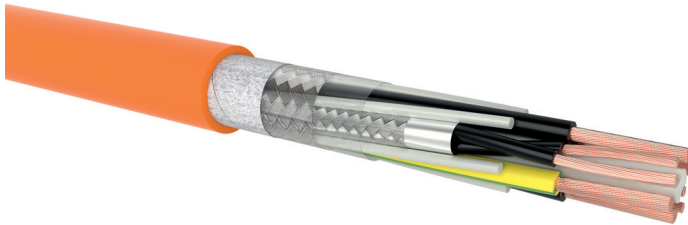


FLEXICS® CHAIN SERVO 911C

PP/PUR servo-motor supply cable, halogen-free for drag chain application, screened

DESIGN



- 1 | Bare copper conductors, super fine wires class 6 according to DIN EN 60228 / VDE 0295 / IEC 60228
- 2 | Core insulation of special compound based on polypropylene (PP)
- 3 | Control pairs individually screened with plastic laminated aluminium tape and tinned copper wires
- 4 | Cores stranded together in short lay-lengths
- 5 | Wrapping with plastic tape
- 6 | Tinned copper wire braiding
- 7 | Non-woven wrapping over braiding
- 8 | Special polyurethane (PUR) outer sheath, colour: orange (RAL 2003) or grey (RAL 7001)

APPLICATION

Highly flexible PP/PUR connection cable for frequency converters and servo motors, especially for continuous moving machine parts, e.g. within C-tracks. FLEXICS® CHAIN SERVO 911C cables are designed for indoor applications when exposed to high mechanical stress and increased resistance against a wide range of oils, greases, coolants and lubricants. Excellent EMC behavior.

TECHNICAL DATA



Rated voltage:
0.6/1 kV (U₀/U)



Test voltage:
core / core 4000 V / 50 Hz



Temperature range:
fixed installation: -30 °C up to 80 °C
flexible use: -5 °C up to 70 °C



Bending radius (min.):
fixed installation: 5 x Ø of cable
flexible use: 7.5 x Ø of cable



Core identification:
supply cores: black (continuously numbered) with green/yellow ground conductor
control cores: black with number printing



Fire properties:
EN 60332-1-2: self-extinguishing and flame retardant



Bending cycles:
5 million
for detailed application in drag chains see "General Technical Information" section

| Number of cores x nominal cross-section (mm ²) | Outer diameter (mm) appr. | Cu-value (kg/km) | Total weight (kg/km) appr. |
|--|---------------------------|------------------|----------------------------|
| FLEXICS® CHAIN SERVO 911C | | | |
| 4 G 1.5 + 2 x (2 x 0.75) | 15.6 | 150 | 304 |
| 4 G 2.5 + 2 x (2 x 0.75) | 15.8 | 190 | 356 |
| 4 G 4 + (2 x 0.75) + (2 x 1) | 17.3 | 267 | 434 |
| 4 G 6 + (2 x 0.75) + (2 x 1) | 18.8 | 371 | 537 |
| 4 G 1.5 + (2 x 1) | 13.3 | 131 | 242 |
| 4 G 2.5 + (2 x 1) | 13.9 | 175 | 295 |
| 4 G 4 + (2 x 1) | 15.9 | 238 | 373 |
| 4 G 6 + (2 x 1) | 17.2 | 318 | 470 |

Technical changes reserved. All figures are therefore without guarantee.

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