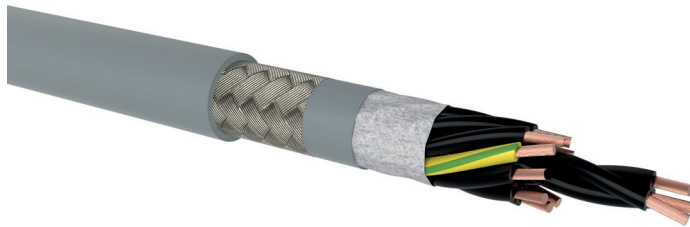


FLEXICS® 11C

PVC/PUR control cable, screened

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 | Cores are stranded in layers with optimal lay-length
- 4 | Non-woven tape separation
- 5 | Inner sheath of special compound based on polyvinyl chloride (PVC)
- 6 | Tinned copper wire braiding
- 7 | Non-woven tape separation over braiding (optional)
- 8 | Special polyurethane (PUR) outer sheath, colour: grey (RAL 7001)

APPLICATION

Power, control and connecting cable for fixed laying and flexible applications, especially in wet areas of machine tools and transfer lines without mechanical stress and guided movements. Outdoor use only when protected from direct exposure to sunlight and in accordance with the indicated temperature range. Especially when excellent EMC behavior is requested.

TECHNICAL DATA



Standard:
based on VDE 0285



Rated voltage:
300/500 V (U₀/U)



Test voltage:
core / core 4000 V / 50 Hz



Temperature range:
fixed installation: -40 °C up to 80 °C
flexible use: -5 °C up to 70 °C



Bending radius (min.):
fixed installation: 6 x Ø of cable
flexible use: 20 x Ø of cable



Core identification:
black (continuously numbered), from 3 cores
with green/yellow ground conductor

| Number of cores x nominal cross-section (mm ²) | Outer diameter (mm) appr. | Cu-value (kg/km) | Total weight (kg/km) appr. |
|--|---------------------------|------------------|----------------------------|
| FLEXICS® 11C | | | |
| 2 x 0.75 | 7.4 | 45 | 85 |
| 3 G 0.75 | 7.9 | 52 | 99 |
| 4 G 0.75 | 8.4 | 77 | 114 |
| 5 G 0.75 | 8.9 | 84 | 130 |
| 7 G 0.75 | 9.7 | 92 | 161 |
| 12 G 0.75 | 12.3 | 138 | 245 |
| 18 G 0.75 | 14.5 | 219 | 354 |
| 25 G 0.75 | 16.6 | 277 | 463 |
| 34 G 0.75 | 18.9 | 420 | 598 |
| 41 G 0.75 | 20.6 | 500 | 725 |
| 2 x 1 | 7.9 | 50 | 97 |
| 3 G 1 | 8.2 | 77 | 111 |
| 4 G 1 | 8.7 | 87 | 129 |
| 5 G 1 | 9.5 | 90 | 152 |

FLEXICS® 11C

PVC/PUR control cable, screened

| Number of cores x nominal cross-section (mm ²) | Outer diameter (mm) appr. | Cu-value (kg/km) | Total weight (kg/km) appr. |
|--|---------------------------|------------------|----------------------------|
| FLEXICS® 11C | | | |
| 7 G 1 | 10.2 | 110 | 184 |
| 12 G 1 | 13.3 | 194 | 306 |
| 18 G 1 | 15.5 | 267 | 417 |
| 25 G 1 | 17.5 | 379 | 541 |
| 34 G 1 | 20.3 | 516 | 735 |
| 41 G 1 | 22.0 | 610 | 860 |
| 2 x 1.5 | 8.5 | 77 | 116 |
| 3 G 1.5 | 8.9 | 85 | 135 |
| 4 G 1.5 | 9.6 | 100 | 162 |
| 5 G 1.5 | 10.3 | 120 | 187 |
| 7 G 1.5 | 11.3 | 152 | 236 |
| 12 G 1.5 | 14.8 | 267 | 392 |
| 18 G 1.5 | 17.2 | 400 | 536 |
| 25 G 1.5 | 20.1 | 572 | 742 |
| 34 G 1.5 | 21.9 | 754 | 960 |
| 41 G 1.5 | 24.7 | 874 | 1118 |
| 3 G 2.5 | 10.3 | 121 | 191 |
| 4 G 2.5 | 11.3 | 163 | 232 |
| 5 G 2.5 | 12.6 | 199 | 282 |
| 7 G 2.5 | 13.9 | 261 | 370 |
| 12 G 2.5 | 17.2 | 470 | 580 |
| 4 G 4 | 13.4 | 238 | 345 |
| 5 G 4 | 14.7 | 279 | 412 |
| 4 G 6 | 15.8 | 318 | 483 |
| 5 G 6 | 17.3 | 370 | 576 |
| 4 G 10 | 19.0 | 558 | 733 |
| 4 G 16 | 22.2 | 804 | 1340 |

Technical changes reserved. All figures are therefore without guarantee.

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