**Symmetrical Motor cable SymFlex® EMV-DRIVE | Typ: 2YSLCYKJB**

**Use**

The motor cables of the **SymFlex®** series have been optimized for use in frequency-controlled drives. The low working capacitance/inductance of the cable, enclosed by a combination of braided and foil shield (100% covering) provide for minimum electromagnetic emissions to neighbouring electronic equipment circuits.

Specially recommended for:

- High drive density, long cable lengths (>20 m), high pulse frequencies of FUs/controllers and sensitive electronic automation equipment in the environs of the drives.

**Applications**

The motor cables are suitable for permanent installation in dry, humid and wet rooms as well as for use outdoors and flexible use without additional mechanical stresses.

**Design**

Copper conductor bare. according to VDE 0295, Class 5 and IEC 60228 cl. 5, core Insulation 2 Y according to VDE 0207, core laid up with fillers, insulating foil, aluminium foil shield, CU braid galvanized (approx. 80%) PVC jacket insulation, core colours: 3 x green/yellow, blue, brown, black

**Electrical data**

- **Rated voltage:** 600/1000 V
- **Test voltage:** 4000 V
- **Insulation resistance:** > 5 GOhm/km
- **Coupling resistance:** Max. 250 Ohm/km
- **Working capacitance:**
  - Core/Core depending on cross section: 70 - 250 nF/km
  - Core/shield depending on cross section: 110 - 410 nF/km
- **Inductance**
  - Depending on cross section: 0,25 - 0,38 mH/km

**Mechanical and thermal data**

- **Bending radi:**
  - occasionally moved: 10-20 x cable diameter
  - permanently installed: 5-10 x cable diameter
- **Temperature range:**
  - occasionally moved: +5 to +70 °C
  - permanently installed: -40 to +70 °C

*) **Labeling according to norm**

2Y insulation/jacket of thermoplastic polyethylene (PE)
SL control cable
C shield of braided CU and aluminium shield foil
YK outer sheath of polyvinyl chloride (PVC), black
J cable with green and yellow core
B ethylene/propylene rubber

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**Ordering details**

<table>
<thead>
<tr>
<th>Cross section in mm²</th>
<th>Cu-Inhalt in kg/km</th>
<th>Außendurchmesser in mm</th>
<th>Gewicht in kg/km</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor cable SymFlex® EMV-DRIVE</td>
<td>3x1,5+3G0,25</td>
<td>86,0</td>
<td>10,9</td>
<td>209</td>
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<tr>
<td>Motor cable SymFlex® EMV-DRIVE</td>
<td>3x2,5+3G0,5</td>
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<td>Motor cable SymFlex® EMV-DRIVE</td>
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<td>320</td>
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<td>Motor cable SymFlex® EMV-DRIVE</td>
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<td>298,0</td>
<td>15,0</td>
<td>420</td>
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</tbody>
</table>

Other cross sections on request!