**Symmetrical Motor cable SymFlex® +FE | Typ: 2YSLCYKC-J**

**Verwendung**

The motor cable of the SymFlex® series is optimised for the use of frequency-controlled drives. The low operating capacity and inductance of the cable construction, enclosed with a combination of braid and foil shield (100% coverage), ensures minimal electromagnetic emissions in adjacent electronic circuit.

We recommend the use of the symmetrical motor cable, especially at high drive concentration, long cable lengths (>20m), high frequency of the frequency converter or controller and on much sensitive automation electronic of the drive environment.

The cables are provided with a special copper braid and an additional electrostatic shield to minimize the influence of electromagnetic fields to a permissible degree.

**Instructions for use**

The motor cable are suited for fixed installation in dry, damp and wet locations, for outdoor use as well for flexible use without additional mechanical load.

**Construction**

Copper strand according to VDE 0295, class 5 or IEC 60228 cl. 5, conductor insulation 2 Y according to VDE 0207, conductor protective in layer with gusset fillers, insulation foil, aluminium foil shield, copper strand tinned (coverage ca. 80 %) PVC jacket insulation. Colours: 3 x green/yellow, 3 x grey, brown, black

**Electrical data**

- Nominal voltage: 600 / 1000 V
- Test voltage: 4000 V
- Conductor resistance: 1,5 mm² | R = 13,3 Ohm/km
  0,25 mm² | R = 77,8 Ohm/km

**Mechanical and thermal data**

- Bending radius: 
  moved: at least 15 x cable diameter
  fixed: at least 4 x cable diameter
- Temperature range: 
  Conductor: in operation, fixed +70°C
  in operation, moved +50°C
  in short circuit +150°C
  Surface: motile use -25°C to +70°C
  fixed -30°C bis +70°C

*) Mark according to norm

2Y Insulation/jacket of thermoplastic polyethylene (PE)
SL Control cable
C Shield of copper braid and aluminium shield foil
YK Jacket of polyvinyl chloride (PVC), black
J Cable with green yellow wire

**Ordering details**

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