

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, 3x grey, brown, black

Electrical data

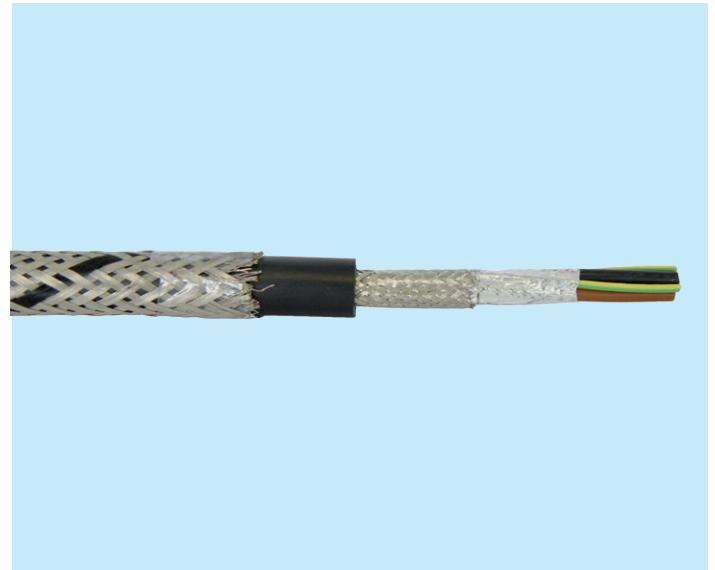
- Nominal voltage: 600 / 1000 V
- Test voltage: 4000 V
- Conductor resistance: 1,5 mm² | R = 13,3 Ohm/km
0,25 mm² | R = 77,8 Ohm/km

Mechanical and thermal data

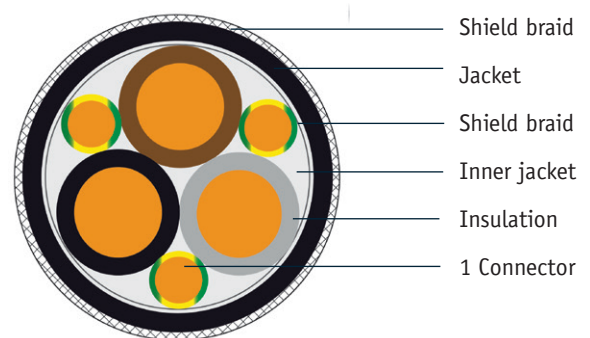
- Bending radius:
 - moved: at least 15 x cable diameter
 - fixed: at least 4 x cable diameter
- Temperatur range:
 - Conductor:
 - in operation, fixed +70°C
 - in operation, moved +50°C
 - in short circuit +150°C
 - Surface:
 - motile use -25°C to +70°C
 - fixed -30°C bis +70°C

*) 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



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Cross section +FE Motor cable

Ordering details	Art. No.
Symmetrical Motor cable +FE	122020100