



K-SERVO PLUS 3 9YSLC11Y J

Description : Drag Chain application, EMC-compliant, Low capacity double screened motor connection cable with coloured cores and symmetrical 3 power cores + 3 ground cores construction to support the reduction of bearing currents, Working Voltage 0.6/1kV.

Design:



Construction : Extra flexible bare copper conductors according to CEI 20-29 Class 6 and DIN-VDE 0295 K6
Special Polypropylene (PP) insulation compound
Colour code according to DIN VDE 0293
Construction: 3 Power cores twisted together with 3 Ground cores
Polyester Nonwoven Tape
Tinned copper wires braiding with coverage 85%
Nonwoven Tape
PUR outer sheath, matt and low adhesive surface

Manufacturing's Controls: Test and Control according to our certificated **ISO 9001-2015 CSQ-IMQ (EQ-NET)** Quality System procedure.

Labor tests reports are stored in our internal Q.C. laboratory archive together with the production reports

Norms:

High oil-resistance - Abrasion and notch-resistant - Low-adhesive surface
Resistant to hydrolysis and microbes
Ozone resistant according VDE 0472 part 805 and UV resistant according HD 605 A1
Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
Low smoke density according to IEC 61034
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 1.000V.
- Spark Test voltage : 6000 V
- Working temperature: Flexing: -5°C to +80°C
Fixed installation: -40°C to +80°C
- Minimum bending radius
Flexing: 8 x outer Ø
Chain: 10 x outer Ø
Fixed installation: 4 x outer Ø
- Max speed unsupported/gliding 10 m/s - 5 m/s
- Max acceleration 50 m/s²

Use : Wherever drives form a single unit together with cable, frequency converter and motor, and the potential for electromagnetic interference is high because of this. Suitable for Automotive systems, Machine tool manufacturing, Production plants.

Advantage: This cable with low operating capacitance of the PP single wires and low screen capacitance enable a low-loss power transmission in comparison with conventional PVC connecting cables. The version with protective conductor split into three has a further improved, symmetrical 3-wire structure in comparison with the 4-wire versions with respect to the EMC properties because the cores of the protective conductor are arranged between the gussets. This also allows a concentric structure.

This cable is suitable to be used in power chains or moving machine parts.