



K-SERVO 3 9YSLCY

Description : EMC-compliant, Low capacity double screened motor connection cable with coloured cores, 0.6/1kV.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5 and IEC 60228 Cl.5
 Special Polypropylene (PP) insulation compound
 Colour code according to DIN VDE 0293
 Aluminium Polyester Tape
 Tinned copper wires braiding with coverage 70%
 Special PVC outer sheath compound type TM2 according to CEI 20-11, VDE 0207

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: Self-extinguish according to test method B IEC 60332-1
 Oil resistant according: DIN EN 50290-2-22 resp. VDE 0819-102, TM54.
 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: Occasional flexing: -5°C to +80°C
 Fixed installation: -40°C to +80°C
- Minimum bending radius Occasional flexing: 15 x outer Ø
 Fixed installation: 4 x outer Ø

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: The double screened motor connecting cable with low operating capacitance of the PE 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.