



## K-SERVO 3 2YSLCY

**Description :** 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 :** Flexible bare copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5 and IEC 60228 Cl.5  
 PE Insulation compound  
 Colour code according to DIN VDE 0293  
 Aluminium Polyester Tape, Alu side outside.  
 Tinned copper wires braiding with coverage 70%  
 PVC outer sheath compound type TM2 according to CEI 20-11 and 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:** Flame retardant, Test method B according to IEC 60332-1  
 EMC-compliant installation of power drive systems conforming to EN 61800-3  
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage : 600/1000V
- Spark Test voltage : 6000 V
- Insulation resistance : > 20 GΩ x cm
- Working temperature: Flexing: -15°C to +70°C  
 Fixed installation: -40°C to +70°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.