



## K-SERVO 4 2YSLCH

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

**sign:**



**Construction :** Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5  
 PE Insulation compound  
 Colour code according to DIN VDE 0293  
 Aluminium Polyester Tape  
 Tinned copper wires braiding with coverage 70%  
 Halogen Free outer sheath compound type TM7 according to CEI 20-11 and VDE 0207

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

**Norms:** EMC-compliant installation of power drive systems conforming to EN 61800-3  
 Flame-retardant according to IEC 60332-1-2 (flame spread on a single cable)  
 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 : 600/1000V
- Spark Test voltage : 6000 V
- Max. permissible peak AC voltage U 2.4 kV
- Transfer impedance: <= 30 Ohm/km
- Working temperature: Occasional flexing: -15°C to +70°C  
 Fixed installation: -40°C to +70°C
- Minimum bending radius Occasional flexing: 20 x outer Ø  
 Fixed installation: 6 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.