



## K-SERVO 3 2XSLCH

**Description :** EMC-compliant, Halogen Free, 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 and DIN-VDE 0295 K5  
 XLPE Insulation compound - Colour code according to DIN VDE 0293  
 Aluminium Polyester Tape  
 Tinned copper wires braiding with coverage 85%±5%  
 Halogen free jacket compound type **TM7** according to HD 21.14 S1 annex B

**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 according to IEC 60332-1-2 (flame spread on a single cable)  
 No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)  
 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 61034-2  
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EC CE

**Technical dates :**

- Nominal voltage : 600/1000V
- Spark Test voltage : 6000 V
- Working temperature: Occasional flexing: -5°C to +90°C  
 Fixed installation: -40°C to +90°C
- Max temperature on the conductors 90°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. The version with protective conductor splits 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.