



## K-SERVO PLUS 3 9YSLC11Y J UL CSA

**Description :** Drag Chain application, UL AWM approved, 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  
Nonwoven Tape  
Tinned copper wires braiding with coverage 85%  
Nonwoven Tape  
Flame Retardant special PUR outer sheath, matt and low adhesive surface, according to UL 758 and UL 1581

**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, and CSA FT1

Oil Resistant according EN 60811-1-2:1995

According to UL styles 20940 and CSA-AWM I A/B II A/B

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: -15°C to +80°C  
Fixed installation: -40°C to +80°C
- Minimum bending radius: For flexible use: 8 x outer Ø  
Fixed installation: 4 x outer Ø
- Torsion: ±120°, for 1 m cable length

**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. It's suitable for up to 3 million bending/unbending cycles in the power chain applications for travel distances up to 9 m.