



K-SERVO PLUS 3500 9Y CP UL CSA

Description : Drag chain application, UL AWM approved, EMC-compliant, Low capacity screened motor connection cable with black coded cores, 0.6/1kV.

Design:



Construction : Extra Flexible bare copper conductors according to CEI 20-29 Class 6 and DIN-VDE 0295 K6
Special PP Thermo-Plastic insulation compound
Black coded cores (U/L1/C/L+ ; V/L2 ; W/L3/D/L) + GY core
Nonwoven Tape
Tinned copper wires braiding with coverage 85%
Nonwoven Tape
Flame Retardant special PUR outer sheath, matt and low adhesive surface

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: According to UL styles 20940 and CSA-AWM I A/B II A/B
High oil-resistance - Abrasion and notch-resistant - Low-adhesive surface
Resistant to hydrolysis and microbes
Ozone resistant according VDE 0472 part 805 and UV resistant according HD 605 A1
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 : 1.000V.
- Spark Test voltage : 10.000 V
- Working temperature:
 - Chain: -25°C to +90°C (UL 80°C)
 - Flexing: -40°C to +90°C (UL 80°C)
 - Fixed installation: -50°C to +90°C (UL 80°C)
- Minimum bending radius
 - Flexing: 8 x outer Ø
 - Chain: 10 x outer Ø
 - Fixed installation: 4 x outer Ø
- Max speed (unsupported - gliding) 10 m/s - 5 m/s
- Max acceleration 50 m/s²

Use : Servo motors cables are suitable 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.

This cable is suitable to be used in power chains or moving machine parts as link and connection control cable. It's suitable for up to 6 million bending/unbending cycles in the power chain applications. For travel distances up to 10 mt. Predominantly installed in dry, damp or wet environments.

This cable is suitable to be used in power chains or moving machine parts as link and connection control cable. It's suitable for up to 6 million bending/unbending cycles in the power chain applications. For travel distances up to 10 mt. Predominantly installed in dry, damp or wet environments.