



K-SERVO PLUS 3500 DSL 9Y CP UL CSA

Description : UL AWM approved, EMC-compliant, Low capacity screened motor connection cable with black coded power cores and HIPERFACE DSL motor-feedback-systems - Digital Servo Link.

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
Power Black coded cores (U/L1/C/L+ ; V/L2 ; W/L3/D/L) + GY core
N. 1 CAN-BUS 120 ohm element Double shielded with aluminium polyester tape and tinned copper wires braiding.
Total Nonwoven Polyester Tape
Tinned copper wires braiding with coverage 85%
Nonwoven tape
Special Flame Retardant PUR outer sheath compound

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 according 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 are frequently assembled to combine signal and supply cables. CAN-BUS element is used for HIPERFACE DSL motor-feedback-systems - HIghPERformance InterFACE
Digi-tal Servo Link.
The advantages are: saving space and weight, easy to assemble, reliability and stability.
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 for free, not continuously returning movement without tensile stress or compulsory guidance as well as for fixed laying.