



K-SERVO PLUS 3500 DSL 9Y C CY 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 together with control shielded pair.

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.
N. 1 control pair, shielded with Nonwoven polyester tape under tinned copper wires braiding
Total Nonwoven Polyester Tape
Tinned copper wires braiding with coverage 85%
Nonwoven tape
Special PVC outer sheath compound 90°C type TM5 according to CEI 20-11, VDE 0207 and UL 758

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, Test method B according to DIN VDE 0472 part 804, IEC 60332-1, IEC 60332-3-24 and CSA FT1
Oil resistant according: DIN EN 50290-2-22 resp. VDE 0819-102, TM5.
According to UL styles 2570 and CSA-AWM I A/B II A/B
The cable is according to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates:

- Nominal voltage : 1.000V.
- Spark Test voltage : 6000 V
- Working temperature: Chain: +5°C to +80°C
Flexing: -5°C to +80°C
Fixed installation: -40°C to +80°C
- Minimum bending radius Flexing: 7 x outer Ø
Chain: 8 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.
Control pairs for motor temperature and/or brake function monitoring is also integrated
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.