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UNI EN ISO 9001-2015 Certified Company

Data Sheet

K-SERVO PLUS 3500 DSL 9Y C 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 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 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 conforming to Low Voltage Directive (LVD) 2014/35/EU CEThe 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/s^2
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.