



K-SERVO 3500 9Y C CP UL CSA

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

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
Special PP Thermo-Plastic insulation compound
Power Black coded cores (U/L1/C/L+ ; V/L2 ; W/L3/D/L) + GY core
N. 1 control pair black numbered (5 + 6). Double shielded with aluminium polyester tape and tinned copper wires braiding under polyester tape.
Total Polyester Tape
Tinned copper wires braiding with coverage 85%
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:

High oil-resistance according EN 60811-1-2:1995
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)
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: -5°C to +80°C
Fixed installation: -40°C to +80°C
- Minimum bending radius Occasional flexing: 20 x outer Ø
Fixed installation: 6 x outer Ø

Use : Servo motors are frequently assembled to combine signal and supply cables. Control pairs for motor temperature and/or brake function monitoring are for instance 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.