



K-SERVO PLUS 7500 C C CY TC ER MTW UL

Description : Drag chain application, Increased oil-resistant screened Servo and Power Cables combined with control pairs, conforming to NFPA 79 2007 wiring norms and NEC 336.10(7) manufactured according to UL 1277 (Tray cable - Exposed run - Oil resistant) and UL 1063 (MTW).

Design:



Construction : Extra Flexible bare copper conductors according to CEI 20-29 Class 6 and DIN-VDE 0295 K6
Cores type TFF for sizes 1 and 1,5 mm² and UL Listed THHW for bigger sizes
Flexible bare copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5 and UL 83 standard
Special PVC Insulation compound type UL QMTT2
Power Black coded cores (U/L1/C/L+ ; V/L2 ; W/L3/D/L) + GY core
N. 2 control pairs black numbered (5 + 6) and (7 + 8). Taped with nonwoven tape and shielded with tinned copper wires braiding under polyester tape.
Nonwoven Tape
Tinned copper wires braiding with coverage 85%
Nonwoven Tape
Outer sheath in special PVC according to UL 1277 and UL 1063 Special PP Thermo-Plastic insulation 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: Flammability of Cable according category FT4/IEEE of Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables, UL 1685 standard.

Construction according to UL 1277 and UL 1063 (Oil-resistant according to UL OIL RES I and Water-resistant, UL Wet Approval 75 °C)

American and Canadian UL recognized according to UL AWM 21179 and CSA AWM I/II A/B

The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : (UL 1277 600 V.) (AWM 1.000 V.)
- Spark Test voltage : 6000 V
- Working temperature: Flexing: -15°C to +90°C (AWM to +105°C)
Fixed installation: -40°C to +90°C (AWM to +105°C)
- Minimum bending radius Occasional flexing: 8 x outer Ø
Fixed installation: 4 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 to be used in power chains or moving machine parts as link and connection control cable. It's suitable for up to 3 million bending/unbending cycles in the power chain applications. For travel distances up to 10 mt. Predominantly installed in dry, damp or wet environments.