



## K-SERVO 7500 HYBRID C C CY TC ER UL

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

**Design:**



**Construction :** Power Cores type XHHW-2 UL Listed  
Flexible bare copper conductors to DIN-VDE 0295 K5 and UL 83 standard  
Special Flame Retardant XLPE Insulation compound UL certified  
Control Cores type TFF UL Listed  
Flexible bare copper conductors to DIN-VDE 0295 K5 and UL 83 standard  
Special PVC Insulation compound type QMTT2 UL certified  
Power Black coded cores ( U/L1/C/L+ ; V/L2 ; W/L3/D/L ) + GY core  
N. 2 control pair black numbered ( 5 + 6 ) and ( 7+8 ). shielded with tinned copper wires braiding under Aluminium polyester tape.  
Total Polyester Tape  
Tinned copper wires braiding with coverage 85%  
Outer sheath in special PVC according to UL 1277

**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 ( Oil-resistant according to UL OIL RES I and Water-resistant, UL Wet Approval 75 °C )  
According to UL 2277 Flexible Motor Supply Lead Cable (ZJFH) and Wind Turbine Tray Cable (ZGZN)  
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage : 600 V
- Spark Test voltage : 6000V
- Working temperature: Occasional flexing: -5°C to +90°C  
Fixed installation: -40°C to +90°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.