



## K-FLEX 2501 EMC UL CSA

**Description :** American and Canadian approved, EMC-compliant, shielded power supply cable for supply of AC motors with driver.

**Design:**



**Construction :**

- Flexible bare copper conductors according to CEI 20-29 Class 5 DIN-VDE 0295 K5 and IEC 60028 Cl.5
- PVC Insulation compound type TI1 according to CEI 20-11, VDE 0207 and UL 80°C
- Colour code according to DIN VDE 0293
- Polyester Tape
- Tinned copper wires braiding with coverage 85%
- Ground wire placed outside the screen
- Flame retardant PVC outer sheath compound type TM2 according to CEI 20-11, VDE 0207 and UL 80°C.

**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:**

- Self-extinguish, Test method B according to IEC 60332-1
- Reduced Fire Propagation, Fire retardant as IEC 60332-3-24 - CEI 20-22 II
- Flame retardant rating UL VW1
- Oil-resistant according to EN 50290-2-22:2001 (TM54)
- UL and CSA recognized according to AWM style 2570
- The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage : 1.000V
- Spark Test voltage : 10.000 V
- Working temperature : Occasional flexing: -5°C to +70°C  
Fixed installation: -40°C to +80°C
- Minimum bending radius : Occasional flexing: 20 x outer Ø  
Fixed installation: 8 x outer Ø

**Use :** The cable K-FLEX 2501 EMC is an oil resistant shielded cable used in all those applications as A.C. motors power supply with inverter or with frequency ballasts variable is required. The ground wire is placed outside the screen, because it could become a possible carrier of current made by the power conductors.