



K-FLEX 3000 CY POWER UL CSA

Description : American and Canadian EMC-compliant, heat resistant, 600/1000 V. connection and power cable with black numbered cores for high-power servo motors.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5 PVC 90°C Insulation compound according to UL 1581.
Black numbered cores + GY core
Inner sheath in special PVC 90°C according to UL 1581
Tinned copper screening with coverage 85% ± 5%
Outer sheath in special PVC 90°C according to UL 1581

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 : Flame-retardant according to IEC 60332-1-2 and UL 1581 §1061 Cable Flame Test and IEC 60332-3C and CSA FT1
According to AWM UL styles 10012 - 21179 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 +90°C
Fixed installation: -40°C to +90°C
- Minimum bending radius Occasional flexing: 15 x outer Ø
Fixed installation: 4 x outer Ø

Use : The K-FLEX 3000 CY POWER cable is suitable as power supply and connection control cable, for machine tools, conveyor belts and plants, production lines, measuring and automatic control and computer units, equipment constructions, power stations, cooling and data processing systems, office machines. Predominantly installed in dry, damp or wet rooms at normal stress. If considering the temperature range and the UV protection it can be used outdoors too and is suitable for free, not continuously returning movement without tensile stress or compulsory guidance as well as for fixed laying. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.