



K-FLEX 3000 CY

Description : EMC-compliant power supply and control cable with numbered cores. 300/500 V. Working voltage VDE certificated.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5 PVC Insulation compound type **TI1** according to CEI 20-11 and VDE 0207 black numbered cores + green yellow core.
 Inner jacket in special PVC **TM2** according to CEI 20-11 and VDE 0207
 Tinned copper screening with coverage 85% ± 5%
 Outer jacket in transparent or grey PVC **TM2** according to CEI 20-11 and VDE 0207

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 :

According to our VDE Rg. Nr. 7097

Flam retardant, according to IEC 60332-1.

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

Technical dates :

- Nominal voltage : 300/500V
- Spark Test voltage : 3000 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: 6 x outer Ø

Use : The K-FLEX 3000 CY is suitable as link 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.