



## K-FLEX 3000

**Description :** Multi cores control cable with special PVC insulation and jacket, working voltage 300/500 V. VDE Reg. Nr. 7097.

**Design:**



**Construction :**

- 1) Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
- 2) PVC Insulation compound type **TI1** according to CEI 20-11 and VDE 0207 with special mechanical resistance.
- 3) Black numbered cores with or without green yellow core
- 4) Outer jacket in PVC **TM2** according to CEI 20-11 and VDE 0207

**Manufacturing's Controls:** Test and Control according to our certificated **ISO 9001-2008 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, Test method B according to DIN VDE 0472 part 804 and IEC 60332-1 According to our VDE Reg. Nr. 7097

Oil resistant according: DIN EN 50290-2-22 resp. VDE 0819-102, TM54.

The cable is conform to Low Voltage Directive (LVD) 2014/35/EC 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: 10 x outer Ø  
Flexing application: 15 x outer Ø  
Fixed installation: 4 x outer Ø

**Use :** The control cable K-FLEX 3000 is suitable for measuring, monitoring and in the machine tool manufacturing, plant engineering, power stations, heating and air conditioning systems, refrigeration plants, office equipment machines and installations for data processing. The cable is used in dry, damp and wet interiors at medium mechanical stress. Outdoors only with UV-protection and in observation of the temperature range. It is suitable for free, not continuously moving appliance without tensile load or compulsory guidance as well as for fixed laying.