



K-FLEX 3000 SY POWER

Description : Power and control cable with colour code cores and extra mechanical protection due to braided steel wires. Working Voltage of 0,6/1KV.

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 code.
 Inner jacket in special PVC **TM2** according to CEI 20-11 and VDE 0207
 Steel wires braiding with coverage of 65% ± 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 : Flam retardant, according to IEC 60332-1-2.
 Based on: IEC 60227-5 HD 21.5 S3, VDE 0281 Part 5, HD 21.13 S1, VDE 0281 Part 13
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 600/1.000V.
- Spark Test voltage : 6000 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 SY POWER cable is suitable as power supply and connection control cable, for machine tool and plant engineering, power stations, air conditioning systems and office equipment as well as data processing systems. The triple-protected K-FLEX 3000 SY POWER cable withstands the roughest operating conditions. High mechanical protection and a defined degree of electrical shielding is provided by the oxidation-protected steel wire braiding under the transparent outer sheath, which protects the braid against dirt