



K-FLEX 3000 POWER F.R

Description : Flame retardant, multi cores power supply and control cable with special PVC insulation and PVC jacket, working voltage 600/1000 V.

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 with special mechanical resistance
 Black numbered cores with or without green yellow core
 Talc
 Outer jacket in PVC **TM2** according to CEI 20-11 and VDE 0207 - Black color

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 according to test method B IEC 60332-1
 Reduced Fire Propagation, Fire retardant as IEC 60332-3-22 - CEI 20-22 II and NBN C30-004, cat. F2
 UV and weather-resistant according to ISO 4892-2
 Ozone-resistant according to EN 50396
 Oil resistant according: DIN EN 50290-2-22 resp. VDE 0819-102, TM54.
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 600/1.000 V.
- 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: 15 x outer Ø
 Fixed installation: 4 x outer Ø

Use : The range of applications of the 0,6/1 kV power supply and control cable covers all electrical systems in dry and damp interiors, especially in industrial environments and due to the UV resistant jacket can also be used outside with respect to the temperature range. Suitable for fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load. It is suitable as well to be used for direct burial.