



K-FLEX 3100 P POWER

Description : Power supply single core wire with special PVC insulation and PUR-TPU 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.
 Insulation colour code black or green-yellow
 Outer jacket in special PUR- TPU according to DIN VDE 0282, part 10, annex A

Manufacturing's Controls: Test and Control according to our Quality System certificate **ISO 9001-2015**
 CSQ-IMQ (EQ-NET)
Norms : PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1
 In derogation to IEC 60502-1
 High oil-resistance - Abrasion and notch-resistant - Low-adhesive surface
 Resistant to hydrolysis and microbes
 Ozone resistant according VDE 0472 part 805 and UV resistant according HD 605 A1
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 600/1000 V.
- Spark Test voltage : 5000 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
 Fixed installation: 4 x outer Ø

Use : The range of applications of the 0,6/1 kV single wire covers all electrical systems in dry and damp interiors, especially in industrial environments and can also be used outside with respect to the temperature range. The cable is suitable to be used as direct burial but not as underwater cable. The single wire 0,6/1 kV is suitable as power supply cable in the machine tool and plant engineering, in heating and air conditioning systems, refrigeration plants etc.