



K-PLUS 8100

Description: Power supply and control single core cables, for use in drag chains or moving machine parts application, PVC insulated and sheathed for working voltage till 0,6/1KV and temperature till 80°C.

Design:



Construction:

Extra Flexible bare copper conductors according to CEI 20-29 Class 6 and DIN-VDE 0295 K6
 PVC Insulation compound type **TI1** according to CEI 20-11 and VDE 0207 with special mechanical resistance
 Black or Green Yellow core
 Nonwoven tape
 Outer jacket in PVC **TM2** according to CEI 20-11 and VDE 0207

Manufacturing's Controls:

Test and Control according to our certificated **ISO 9001-2015 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:

Flame retardant, Test method B according to DIN VDE 0472 part 804, IEC 60332-1
 Based on IEC 60502
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates:

- Nominal voltage: 600/1000 V
- Spark Test voltage: 6000 V
- Working temperature: Flexing: 0°C to +70 °C
 Fixed installation: -40 °C to +80 °C
- Minimum bending radius: For flexible use: 8 x outer diameter
 Fixed installation: 4 x outer diameter

Use: This power single core cable is suitable in power chains or moving machine parts. This cable can substitute multi-core power cables where space requirements or minimum bending radius cause problems.
 Designed for 3 million alternating bending cycles and horizontal travel distances up to 10 meters.
 It can be used also in fix or occasional flexing installation, in dry, damp and wet interiors.