



K-PLUS 8100 P

Description : Power supply and control single core cables, for use in drag chains or moving machine parts application, PVC insulated and PUR 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
 Special PUR outer sheath, matt and low adhesive surface

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