



K-PLUS 8000 CP

Description : EMC-compliant power supply and control cable with PVC insulated numbered cores and PUR outer sheath. 300/500 V. Working voltage.

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 numbered cores + GY core
 Nonwoven tape over each layer
 Inner jacket in special PVC **TM2** according to CEI 20-11 and VDE 0207
 Tinned copper screening with coverage 85% ± 5%
 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

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 : 300/500V
- Spark Test voltage : 3000 V
- Working temperature: Flexing: -5°C to +70°C
Fixed installation: -40°C to +80°C
- Minimum bending radius: For flexible use: 8 x outer Ø
Fixed installation: 4 x outer Ø

Use : This cable is suitable to be used in power chains or moving machine parts as link and connection control cable. Designed for 5 million alternating bending cycles and horizontal travel distances up to 10 meter. Predominantly installed in dry, damp or wet environments. If considering the temperature range it can be used outdoors too. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.