



K-PLUS 8500 CP

Description : EMC-compliant power supply and control cable with PVC 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, DIN-VDE 0295 K6 and IEC 60228 Cl.6
 Reinforced PVC Insulation compound type **TI1** according to CEI 20-11 and VDE 0207
 Black numbered cores + green yellow core.
 Nonwoven tape over the outer layer
 Tinned copper screening with coverage 85% ± 5%
 Special flame retardant 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, according to IEC 60332-1.
 Oil Resistant according EN 60811-1-2:1995
 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.