



K-PLUS 8500 CY

Description : EMC-compliant power supply and control cable with numbered cores. 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 black numbered cores + green yellow core.
 Nonwoven tape over the outer layer
 Polyester tape
 Tinned copper screening with coverage 85% ± 5%
 Outer jacket in transparent or grey 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, according to IEC 60332-1.
 Oil-resistant according to EN 50290-2-22:2001 (TM54)
 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: -0°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 and the UV protection it can be used outdoors too. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.