



K-PLUS 9909 CP

Description : EMC-compliant power supply and control cable with Polypropylene insulated numbered cores and PUR inner and 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
- Polypropylene insulation compound according VDE 0250, Part 215, type 9YI2 and CEI-EN 60811-4-2
- Black numbered cores with or without GY Core
- Nonwoven tape over each layer
- Special halogen-free, partly flame retardant PUR inner sheath, matt and low adhesive surface
- Tinned copper screening with coverage 85% ± 5%
- Nonwoven tape
- Special halogen-free, partly 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 :

- 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
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
- Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
- Low smoke density according to IEC 61034
- The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 300/500 V
- Spark Test voltage : 3000 V
- Working temperature: Flexing: -25°C to +70°C
Fixed installation: -40°C to +80°C
- Minimum bending radius: For flexible use: 7 x outer Ø
Fixed installation: 4 x outer Ø

Use :

Designed for 10 million alternating bending cycles and horizontal travel distances up to 100 meter.
 Suitable for use in power chains, moving machine parts, particularly in wet or oil contaminated areas of machine tools and transfer lines.
 Suitable for use in measuring, control and regulating circuits so as in wiring of machines, tools, devices, appliances and control cabinets. Suitable for outdoor use within the indicated operating temperature range. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.