



## K-PLUS 9913 CP

**Description :** EMC-compliant, chain and robotic applications, TPE-E (polyester basis) insulated and PUR sheathed control and power cable manufactured for working voltage till 600/1000V.

**Design:**



**Construction :**

- Extra Flexible bare copper conductors according to CEI 20-29 Class 6 and DIN-VDE 0295 K6
- TPE-E (polyester based) insulation compound
- Black numbered cores + 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 : 600/1000 V
- Spark Test voltage : 3000 V
- Working temperature : Flexing: -40°C to +80°C  
Fixed installation: -50°C to +90°C
- Minimum bending radius : For flexible use: 12 x outer diameter  
Fixed installation: 4 x outer diameter
- Torsion: ± 180°/m

**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, and simultaneous bending and torsion applications, 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.