



## K-PLUS 9909 TPE CHAIN

**Description :** Chain application, Polypropylene insulated and tpe-v sheathed control and power cable manufactured for working voltage of 300/500V.

**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 + GY core  
 Nonwoven tape over each layer  
 Special halogen-free, TPE-V 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: 6 x outer diameter  
 Fixed installation: 3 x outer diameter
- Max speed ( unsupported - gliding ) 8 m/s - 4 m/s
- Max acceleration 30 m/s<sup>2</sup>

**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.