



## K-PLUS 9109 P CHAIN UL CSA

**Description :** American and Canadian approved, increased oil-resistant, control and power supply single core cables, for use In power chains or moving machine parts.

**Design:**



**Construction :** Extra Flexible bare copper conductors according to CEI 20-29 Class 6, DIN-VDE 0295 K6, IEC 60228 Cl.6 and UL 83 standard  
Polypropylene insulation compound according VDE 0250, Part 215, type 9YI2 and CEI-EN 60811-4-2  
Black Green Yellow or other colour coded core  
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

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

Flame-retardant according to IEC 60332-1-2, CSA FT2, UL HB

According to UL style 10848 and CSA-AWM I A/B

The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage: 1.000 V
- Spark Test voltage: 6000 V
- Fixed installation working temperature: -40°C to + 80°C
- Flexing working temperature: -20°C to + 80°C
- Fixed installation minimum bending radius = 4 x cable Ø
- Chain installation minimum bending radius = 10 x cable Ø
- Max Speed Unsupported 3 m/s  
gliding 2 m/s
- Max Acceleration 20 m/s<sup>2</sup>

**Use :** These power single core cables are especially suitable for export-orientated machinery. In power chains or moving machine parts. This cable can substitute multi-core power cables where space requirements or minimum bending radii cause problems.

Designed for 3 million alternating bending cycles and horizontal travel distances up to 10 meter.

It can be used also in fix or occasional flexing installation, in dry, damp and wet interiors