



## K-PLUS 9909 BUNDLES PVC CY UL CSA

**Description :** EMC-compliant, chain application, polypropylene insulated and TPE sheathed control and power supply cable manufactured for working voltage of 1000 V.

**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  
From 2 to 7 cores twisted in one layer, from 9 to 42 cores twisted in bundles and bundles twisted in layer.  
Talc powder between twisted cores and bundles and inner sheath.  
Inner sheath in special PVC compound.  
Tinned copper wires braiding shielding with coverage of 85%  
Special PVC TM2 - UL 80°C jacket compound, 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 :** Flame retardant, Test method B according to DIN VDE 0472 part 804, IEC 60332-1, IEC 60332-3-24 and CSA FT1

According to UL style 2570 and CSA-AWM I A/B II A/B

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

**Technical dates :**

- Nominal voltage : 1000 V
- Spark Test voltage : 10.000 V
- Working temperature : Flexing: -25°C to +90°C (UL 80°C)  
Fixed installation: -40°C to +90°C (UL 80°C)
- Minimum bending radius : For flexible use: 7 x outer diameter  
Fixed installation: 4 x outer diameter
- Max speed ( unsupported - gliding ) 3 m/s - 2 m/s
- Max acceleration 20 m/s<sup>2</sup>

**Use :** UL and CSA approved Control Cable especially for European and American markets.  
Designed for 1 up to 5 million bending/unbending cycles, suitable for use in power chains or moving machine parts, for travel distances up to 50 m, with a max speed of 3 m/S with max acceleration of 20 m/S. Suitable for use in measuring, control and regulating circuits so as in wiring of machines, tools, devices, appliances and control cabinets. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment. Only for outdoor use within the indicated operating temperature range, with UV-protection