



## K-PLUS 3000 CY CHAIN BUNDLES UL CSA

**Description :** EMC-compliant American and Canadian power supply and control shielded, chain application control and power cable manufactured according to UL AWM Style 2587 and CSA AWM I A/B II A/B.

**Design:**



**Construction :** Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5  
 PVC Insulation compound TI3 according to UL 1581  
 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 TM2 type  
 Tinned copper wires braiding shielding with coverage of 85%  
 Outer sheath in special PVC TM5 Oil Resistant according to UL 1581 - 90°C

**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 :** Self-extinguishing, test method B according to DIN VDE 0472 part 804, IEC 60332-1, UL 1581 section 1060 (Vertical Flame and FT1 Test)  
 Reduced Fire Propagation according to IEC 60332-3-24  
 High oil-resistance according HD 21 13S1  
 According to UL styles 11008 - 2587 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 : UL 600 V - (IEC 300/500 V.)
- Spark Test voltage : 5000 V
- Working temperature : Flexing: -0 °C to +90 °C  
 Fixed installation: -40 °C to +90 °C
- Minimum bending radius : For flexible use: 7.5 x outer diameter  
 Fixed installation: 4 x outer diameter

**Use :** UL and CSA approved Control Cable especially for European and American markets.  
 Designed for 1 up to 3 million bending/unbending cycles ( 2÷8 cores 1 mil. - 9 cores and over 3 mil. ), appropriate for use in power chains or moving machine parts, for travel distances up to 50 m, with a max speed of 10 m/S with max acceleration of 8 Om/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