



## K-DATA PLUS LIY-CY DIN 47100 UL CSA

**Description :** Chain application American and Canadian data and control cable with copper braiding shielding manufactured according to UL AWM Style 2464 and CSA AWM I A/B II A/B.

**Design:**



**Construction :** Extra Flexible bare copper conductors according to CEI 20-29 Class 6 DIN-VDE 0295 K6 and IEC 60228 Cl.6  
Reinforced PVC Insulation compound according to UL 758 - 80°C  
DIN 47100 coloured coded cores  
Nonwoven tape over each layer  
Tinned copper screening with coverage 85% ± 5%  
Nonwoven tape  
Outer sheath in special PVC TM2 - UL 758 80°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 :** Flame retardant, Test method B according to DIN VDE 0472 part 804, IEC 60332-1, IEC 60332-3C and CSA FT1

According to UL style 2464 and CSA-AWM I A/B II A/B

Oil resistant according: DIN EN 50290-2-22 TM54.

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

**Technical dates :**

- Nominal voltage : 300 V
- Spark Test voltage : 3000 V
- Working temperature : Flexing: -0 °C to +80 °C  
Fixed installation: -40 °C to +80 °C
- Minimum bending radius : For flexible use: 8 x outer diameter  
Fixed installation: 4 x outer diameter
- Max Speed Unsupported 3 m/s  
gliding 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 up to 6 million bending/unbending cycles in the power chain, suitable for use in power chains or moving machine parts, for travel distances up to 9 m. In dry, damp or wet interiors. Suitable for use in measuring, control and regulating circuits so as in wiring of machines, tools, devices, appliances and control cabinets. Only for outdoor use within the indicated operating temperature range, with UV-protection