



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

**Description :** American and Canadian, EMC compliant, drag chain application, DIN 47100 colour code, multi-conductors, data transmission cables with copper braid screening and PUR outer sheath,

**Design:**



**Construction :** Extra Flexible bare copper conductors according to CEI 20-29 Class 6 and DIN-VDE 0295 K6  
PVC Insulation compound type **TI1** according to CEI 20-11 and VDE 0207  
DIN 47100 coloured coded cores  
Nonwoven tape over the outer layer  
Tinned copper screening with coverage 85% ± 5%  
Nonwoven tape  
Special PUR outer sheath, matt and low adhesive surface according UL 758 and UL 1581

**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 :** According to UL styles 20940 and CSA-AWM I A/B II A/B  
Oil Resistant according EN 60811-1-2:1995  
Flame-retardant according to CSA FT1  
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

<b>Technical dates :</b>	<ul style="list-style-type: none"> <li>• Nominal voltage : UL 600 V. - IEC 300/500V</li> <li>• Spark Test voltage : 3000 V</li> <li>• Mutual capacitance : C/C approx. 120 nF/km C/S: approx. 160 nF/km</li> <li>• Inductivity Approx. 0.50 mH/km</li> <li>• Specific insulation resistance: &gt; 20 GOhm x cm</li> <li>• Working temperature: Fixed installation: -40°C to +80°C Occasional flexing: -5°C to +70°C</li> <li>• Minimum bending radius For flexible use: 8 x outer Ø Fixed installation: 4 x outer Ø</li> </ul>
--------------------------	--

**Use :** This cable is suitable to be used in power chains or moving machine parts as link and connection control cable. It's suitable for up to 6 million bending/unbending cycles in the power chain applications. For travel distances up to 9 mt. Used for computer systems, MSR technology, office machinery, scales - screened cables with small dimensions. Data transmission with good screening, twisted pairs (TP) decouples the cable circuits. Good protection against the capacitive influence due to electric fields (e.g. power cable).