



K-DATA PLUS LI9Y-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
Polypropylene Insulation compound UL 758 80°C
DIN 47100 coloured coded cores
Nonwoven tape over each pair and 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 9001-2008 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
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 61034-2
Flame-retardant according to CSA FT1
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : UL 1.000 V. - IEC 300/500V
- Spark Test voltage : 6000 V
- Mutual capacitance : C/C approx. 70 nF/km
C/S: approx. 80 nF/km
- Inductivity Approx. 0.50 mH/km
- Working temperature: Flexing: -30°C to +80°C
Fixed installation: -40°C to +80°C
- Minimum bending radius For flexible use: 8 x outer Ø
Fixed installation: 4 x outer Ø

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).