



K-DATA PLUS LIY-CP T.P. DIN 47100 UL CSA

Description : American and Canadian, EMC compliant, drag chain application, DIN 47100 colour code, multi-conductors, pairs twisted 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
Cores twisted in pairs and pairs twisted in layers
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 9001-2015 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

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