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Data Sheet

K-DATA PLUS LI9Y-P 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 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 Cores twisted in pairs and pairs twisted in layers Nonwoven tape over each pair and over the outer layer 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 :	High oil-resistance - Abrasion and notch-resistant - Low-adhesive surface Resistant to hydrolysis and microbes Ozone resistant according VDE 0472 part 805 and UV resistant according HD 605 A1 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 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 :	• 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).

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