KCINDUSTRIE
Via D. Alighieri 33
29010 Villanova sull'Arda (PC) - Italy
Tel. 0039.0523.837899
Fax 0039.0523.837381
UNI EN ISO 9001-2008 Certified Company

Data Sheet

K-PLUS LIY-CP T.P.DIN 47100

Description :	EMC compliant, PVC insulated and PUR sheathed, drag chain application, multi-conductors twisted pairs, data transmission cables with copper braid screening and DIN 47100 colour code
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% Outer jacket Special PUR outer sheath, matt and low adhesive surface
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 :	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 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE
Technical dates :	• Nominal voltage : 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
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).

15 July 2016