



K-DATA 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 9001-2015 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
 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).