



## K-DATA LIYCY T.P DIN 47100

**Description :** Multi-conductors pairs twisted data transmission cables with copper braid screening and DIN 47100 colour code

**Design:**



**Construction :** Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5  
PVC Insulation compound type TI1 according to CEI 20-11 and VDE 0207  
Colour code cores according to DIN 47100  
Cores twisted in pairs and pairs twisted in layers  
Polyester tape  
Tinned copper screen with coverage 85%  
Outer jacket in PVC TM2 according to CEI 20-11 and VDE 0207

**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 :** Flame retardant, Test method B according to DIN VDE 0472 part 804 and IEC 60332-1  
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage : 300/300V (up to section 0,34 mm<sup>2</sup>)-  
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: 20 x outer Ø  
Fixed installation: 6 x outer Ø

**Use :** K-DATA LIYCY T.P. with colour code DIN 47100. 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).