



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 9001-2008 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 : 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 mm²)-
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).