



## K-DATA LI9Y-P DIN 47100

**Description :** Low-frequency low-capacitance, Polypropylene insulated and PUR sheathed data and control cable manufactured for working voltage of 300/500V.

**Design:**



**Construction :** Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5  
 TPE - Polypropylene based insulation compound according VDE 0250, Part 215, type 9YI2 and CEI-EN 60811-4-2  
 DIN 47100 coloured coded cores  
 Talc powder  
 Special halogen-free, 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  
 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  
 Oil Resistant according EN 60811-1-2:1995  
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage : IEC 300/500 V
- Spark Test voltage : 5000 V
- Working temperature : Flexing: -40°C to +90°C  
 Fixed installation: -60°C to +90°C
- Minimum bending radius : For occasional flexible use: 8 x outer diameter  
 Fixed installation: 4 x outer diameter

**Use :** Suitable as Signal, control and measuring cable, for transmission of low, sensitive signals and high bit rates. Can be used wherever cables are exposed to wear and tear under extreme conditions. Can only be used outdoors if the temperature range is observed.  
 For free, non-recurring movement without tensile load or compulsory guidance  
 Suitable for use in measuring, control and regulating circuits so as in wiring of machines, tools, devices, appliances and control cabinets.