



## K-DATA LIHH DIN 47100

**Description :** Multi-conductors Halogen Free data transmission cables with DIN colour code 47100

**Design:**



**Construction :** Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5  
 Halogen free insulation compound type **TI6** according to HD 21.14 S1 annex A  
 Colour coded as per VDE 0293  
 Halogen free jacket compound type **TM7** according to HD 21.14 S1 annex B

**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 according to IEC 60332-1-2 (flame spread on a single cable)  
 No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)  
 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  
 Based on VDE 0812  
 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. 80 nF/km  
C/S approx. 120 nF/km
- Inductivity Approx. 0.65 mH/km
- Working temperature: Occasional flexing: -15°C to +70°C  
Fixed installation: -40°C to +70°C
- Minimum bending radius Occasional flexing: 15 x outer Ø  
Fixed installation: 4 x outer Ø

**Use :** Environmentally friendly, halogen-free data, control and signal Cable used as a control and signal cable in electronics of computer systems, electronic control equipment, office machines, balances, etc. and where control cables of smallest dimensions are required. Particularly suitable where human and animal life as well as valuable property are exposed to high risk of fire hazards.