



## K-DATA LIHH CPR Cca 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 DIN 47100 colour code  
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  
CPR classification: Cca, s1, d1, a1 ( It satisfies the non-flame propagation test, with the requirement of non-fire propagation and with emitted heat limits for this class ).  
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.