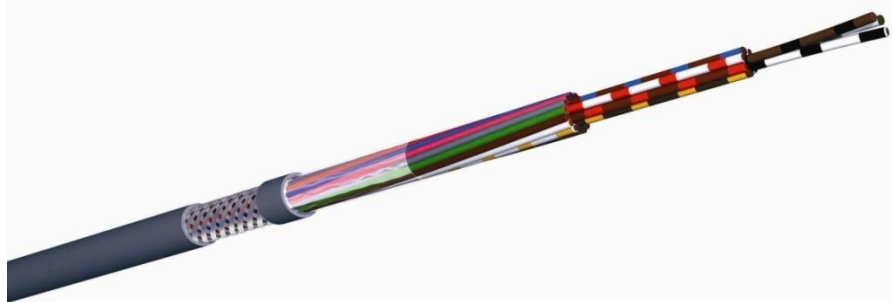




## K-DATA LIHCH DIN 47100 UL CSA

**Description :** American Multi-conductors Halogen Free 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  
Halogen Free FRPE insulation compound according to UL 1581  
Polyester Tape  
Tinned copper wires braiding with coverage 85%  
Halogen Free FRPE outer sheath compound according to UL 1581

**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  
According to UL style 10615 and 21217 and CSA-AWM I A/B II A/B  
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage : 600 V
- Spark Test voltage : 6000 V
- Mutual capacitance: About 80 nF/km
- Inductivity: About 0.65 mH/km
- Working temperature : Occasional flexing: UL -5°C to +75°C  
IEC -5°C to + 90°C
- Minimum bending radius: Fixed installation: UL -40°C to +75°C  
IEC -5°C to + 90°C  
Occasional flexing: 20 x outer Ø  
Fixed installation: 6 x outer Ø

**Use :** Used for computer systems, MSR technology, office machinery, scales - screened cables with small dimensions. The signals transmitted along the cores can also interfere with other components. These effects are prevented by screening the cores. Screen as braiding of tinned copper wire (easy to solder) over the core insulation. Environmentally friendly, EMC-compliant, Halogen-Free is suitable for areas with a high density of people, e.g. public buildings or transport systems, as well as high-value property that must be protected in case of fire.