



## K-DATA LIHH DIN 47100 UL CSA

**Description :** American Halogen Free data and control cable manufactured according to UL AWM Style 10615 and 21217.

**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  
 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  
 No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25  
 Halogen-free according to IEC 60754-1  
 Corrosiveness of combustion gases according to IEC 60754-2  
 Low smoke density according to IEC 61034  
 According to UL style 10615 and 21217  
 According to **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: C/C approx. 80 nF/km  
C/S approx. 120 nF/km
- Inductivity: About 0.65 mH/km
- Working temperature : Occasional flexing: -15°C to +75°C  
Fixed installation: -40°C to +75°C
- Minimum bending radius: Occasional flexing: 15 x outer Ø  
Fixed installation: 4 x outer Ø

**Use :** Environmentally friendly, halogen-free Control Cable especially for electrical equipment and installations in industrial environments, dry or damp interiors.  
 Suitable for fixed installation under medium mechanical load conditions as well as for flexing application at free, non-continuously recurring movement without tensile load or compulsory guidance. Outdoor use with UV-protection only, considering the temperature range. Not for direct burial. Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards.