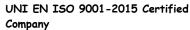


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Data Sheet











K-DATA LIHCH T.P. DIN 47100 UL CSA

Description: EMC-compliant, American multi-conductors Halogen Free pairs twisted data transmission cables with copper braid screening and DIN 47100 colour code

Design:



Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5 Construction:

Halogen free FRPE insulation compound according to UL 1581, type TI6 according to HD

21.14 S1 annex A

DIN 47100 coloured coded cores

Cores twisted in pairs and pairs twisted in layers

Polyester Tape

Tinned copper wires braiding with coverage 85%

Halogen free FRPE outer sheath compound according to UL 1581 and 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 According to UL Style 10615 and 21217

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: Approx. 0.65 mH/km

Occasional flexing: -15°C to +75°C Working temperature:

Fixed installation: -40°C to +75°C Occasional flexing: 20 x outer Ø Minimum bending radius

Fixed installation: $6 \times \text{outer } \emptyset$

Used for computer systems, MSR technology, office machinery, scales - screened cables with small dimensions. Data transmission with good screening, twisted pairs (TP) decouples the cable circuits. Good protection against the capacitive influence due to electric fields (e.g. power cable). 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.

Use: