



K-DATA LIH-CP DIN 47100 UL CSA

Description : Abrasion Resistant, multi-conductors Halogen Free pairs twisted 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, DIN-VDE 0295 K5 and IEC 60228 Cl.5
Halogen free insulation compound type **TI6** according to HD 21.14 S1 annex A
DIN 47100 colour coded cores
Polyester Tape
Tinned copper wires braiding with coverage 85%
Flame Retardant PUR outer sheath

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 : 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
FT1 Flame retardant rating
High oil-resistance - Abrasion and notch-resistant - Low-adhesive surface
Resistant to hydrolysis and microbes
Ozone resistant according VDE 0472 part 805 and UV resistant according HD 605 A1
According to UL styles 10615 - 20940
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 600 V.
5000 V
- Spark Test voltage : C/C approx. 80 nF/km
- Mutual capacitance : C/S approx. 120 nF/km
Approx. 0.65 mH/km
- Inductivity : 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 x outer Ø

Use : 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.