



K-DATA LI9Y-P DIN 47100 UL CSA

Description : American and Canadian approved, Low-frequency low-capacitance, Polypropylene insulated and PUR sheathed data and control cable manufactured for working voltage of 300/500V.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
Polypropylene insulation compound according VDE 0250, Part 215, type 9YI2 and CEI-EN 60811-4-2
DIN 47100 coloured coded cores
Talc powder
Special halogen-free, flame retardant PUR outer sheath, matt and low adhesive surface

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 : 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
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
Flame retardant, according to IEC 60332-1.
According to UL styles 20940 and CSA-AWM I A/B II A/B
Oil Resistant according EN 60811-1-2:1995
Flame-retardant according to CSA FT1
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : IEC 300/500 V - UL 600 V.
- Spark Test voltage : 6000 V
- Working temperature : Flexing: -15°C to +80°C
Fixed installation: -40°C to +80°C
- Minimum bending radius : For occasional flexible use: 8 x outer diameter
Fixed installation: 4 x outer diameter

Use : Suitable as Signal, control and measuring cable, for transmission of low, sensitive signals and high bit rates. Can be used wherever cables are exposed to wear and tear under extreme conditions. Can only be used outdoors if the temperature range is observed.
For free, non-recurring movement without tensile load or compulsory guidance
Suitable for use in measuring, control and regulating circuits so as in wiring of machines, tools, devices, appliances and control cabinets.