



K-DATA PLUS LI9Y-P DIN 47100 UL CSA

Description : Chain application, American and Canadian approved, Polypropylene insulated and PUR sheathed data and control cable manufactured for working voltage of 300/500V.

Design:



Construction : Extra Flexible bare copper conductors according to CEI 20-29 Class 6 and DIN-VDE 0295 K6
 Polypropylene insulation compound according VDE 0250, Part 215, type 9VI2 and CEI-EN 60811-4-2
 DIN 47100 coloured coded cores
 Nonwoven tape over each layer
 Special halogen-free, partly flame retardant PUR outer sheath, matt and low adhesive surface

Manufacturing's Controls: Test and Control according to our certificated **ISO 9001-2008 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
 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 : 300/500 V
- Spark Test voltage : 3000 V
- Working temperature : Flexing: -30°C to +70°C
 Fixed installation: -40°C to +80°C
- Minimum bending radius : For flexible use: 6 x outer diameter
 Fixed installation: 3 x outer diameter
- Max speed (unsupported - gliding) 8 m/s - 4 m/s
- Max acceleration 30 m/s²

Use : Designed for 5 up to 10 million bending/unbending cycles in the power chain. For travel distances up to 80 mt.
 Suitable for use in power chains, moving machine parts, particularly in wet or oil contaminated areas of machine tools and transfer lines.
 Suitable for use in measuring, control and regulating circuits so as in wiring of machines, tools, devices, appliances and control cabinets. Suitable for outdoor use within the indicated operating temperature range.