



K-DATA PLUS LI9Y-Y 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 9YI2 and CEI-EN 60811-4-2
 DIN 47100 coloured coded cores
 Nonwoven tape over each layer
 S Outer sheath in special PVC TM2 - UL 758 80°C

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, Test method B according to DIN VDE 0472 part 804, IEC 60332-1, IEC 60332-3-24 and CSA FT1
 According to UL style 2587 and CSA-AWM I A/B II A/B
 Oil resistant according: DIN EN 50290-2-22 TM54. The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :	<ul style="list-style-type: none"> • Nominal voltage : 300 V • Spark Test voltage : 3000 V • Working temperature : Flexing: -0 °C to +80 °C Fixed installation: -40 °C to +80 °C • Minimum bending radius : Flexing: 6 x outer Ø Chain: 8 x outer Ø • Max Speed Unsupported 3 m/s gliding 2 m/s • Max Acceleration 20 m/s² • Max Torsion ±90°, for 1 m cable length
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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.