



K-PLUS 9959 CP UL CSA

Description : EMC compliant, for chain application, American and Canadian Polypropylene insulated and PUR sheathed control and power supply cable with screen manufactured according to UL AWM Style 20940 and CSA AWM I A/B II A/B.

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
Black numbered cores + GY core
Nonwoven tape over each layer
Tinned copper screening with coverage 85% ± 5%
Nonwoven tape
Flame Retardant special 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 60332-1-2, CSA FT2, UL HB
According to UL style 10848 and CSA-AWM I A/B II A/B
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 1000 V
- Spark Test voltage : 6000 V
- Working temperature : Flexing: -25°C to +90°C (UL 80°C)
Fixed installation: -40°C to +90°C (UL 80°C)
- Minimum bending radius : Flexing: 8 x outer Ø
Chain: 10 x outer Ø
- Max speed (unsupported - gliding) 8 m/s - 4 m/s
- Max acceleration 30 m/s²

Use :

UL and CSA approved Control Cable especially for European and American markets.
Designed for 5 million alternating bending cycles and horizontal travel distances up to 10 meter.
In dry, damp or wet interiors. Suitable for use in measuring, control and regulating circuits so as in wiring of machines, tools, devices, appliances and control cabinets. Only for outdoor use within the indicated operating temperature range, with UV-protection