



K-PLUS 9609 CP CHAIN UL CSA

Description : EMC compliant, for chain application, American and Canadian Polypropylene insulated and PUR sheathed single core control and power supply cable with screen manufactured according to UL AWM Style 11624 and CSA AWM I A/B.

Design:



Construction : Extra Flexible bare copper conductors according to CEI 20-29 Class 6, DIN-VDE 0295 K6, IEC 60228 Cl.6 and UL 83 standard
Polypropylene insulation compound according VDE 0250, Part 215, type 9YI2 and CEI-EN 60811-4-2
Black Green Yellow or other colour coded core
Non-Woven polyester tape
Tinned copper wires braiding with coverage of 85%
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 9001-2015 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
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
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage: 1.000 V
- Spark Test voltage: 6000 V
- Fixed installation working temperature: -40°C to + 80°C
- Flexing working temperature: -20°C to + 80°C
- Fixed installation minimum bending radius = 4 x cable Ø
- Chain installation minimum bending radius = 10 x cable Ø
- Max Speed Unsupported 3 m/s
gliding 2 m/s
- Max Acceleration 20 m/s²

Use : These power single core cables are especially suitable for export-orientated machinery. In power chains or moving machine parts. This cable can substitute multi-core power cables where space requirements or minimum bending radii cause problems. Designed for 3 million alternating bending cycles and horizontal travel distances up to 10 meter. It can be used also in fix or occasional flexing installation, in dry, damp and wet interiors