



K-PLUS 8500 CP UL CSA

Description : Chain application American and Canadian control and power shielded cable EMC-compliant, PVC insulated numbered cores and PUR outer sheath. 300/500 V. Working voltage.

Design:



Construction : Extra Flexible bare copper conductors according to CEI 20-29 Class 6 and DIN-VDE 0295 K6
Special PVC Insulation compound type **TI3** according to UL 758, CEI 20-11 and VDE 0207
black numbered cores + green yellow core.
Nonwoven tape over the outer layer
Polyester tape
Tinned copper screening with coverage 85% ± 5%
Special PUR outer sheath, matt and low adhesive surface according UL 758 and UL 1581

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, 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 : 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 flexible use: 8 x outer Ø
Fixed installation: 4 x outer Ø

Use : This cable is suitable to be used in power chains or moving machine parts as link and connection control cable. Designed for 5 million alternating bending cycles and horizontal travel distances up to 10 meter. Predominantly installed in dry, damp or wet environments. If considering the temperature range and the UV protection it can be used outdoors too. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.