KC INDUSTRIE

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UNI EN ISO 9001-2015 Certified Company

Data Sheet

CE   RoHS✓   REACH   c(UL)US

K-PLUS 8000 CY UL CSA

Description :	EMC-compliant American and Canadian power supply and control shielded cable with numbered cores. 300/500 V. Working voltage.
Design:	
Construction :	Extra Flexible bare copper conductors according to CEI 20-29 Class 6, DIN-VDE 0295 K6 and IEC 60228 Cl.6
	Reinforced PVC Insulation compound according to UL 1581
	Black numbered cores + GY core
	Nonwoven tape over the outer layer
	Inner jacket in special PVC TM2 according to CEI 20-11 and VDE 0207
	Tinned copper screening with coverage 85% ± 5%
	Outer sheath in special PVC TM2 – UL 758 90°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 60332-3C 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 :	• Nominal voltage : 600 V
	• Spark Test voltage : 6000 V
	• Working temperature : Flexing: -0 °C to +90 °C
	Fixed installation: -40 °C to +90 °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
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.