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UNI EN ISO 9001-2015 Certified Company

Data Sheet

K-PLUS 9500 CP CHAIN

Description :	Chain application, EMC-compliant power supply and control cable with TPE 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 TPE polypropylene based elastomer iinsulation compound Black numbered cores + GY core. Nonwoven tape over each layer Tinned copper screening with coverage 85% ± 5% Nonwoven tape 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 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE
Technical dates :	• Nominal voltage : 300/500 V • Spark Test voltage : 3000 V • Working temperature : Flexing: -40°C to +90°C Fixed installation: -60°C to +90°C • Minimum bending radius : For flexible use: 10 x outer Ø Fixed installation: 4 x outer Ø
Use :	Designed for 6 million alternating bending cycles and horizontal travel distances up to 100 meter. Suitable for use in power chains or moving machine parts. 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. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.