KCINDUSTRIE
Via D. Alighieri 33
29010 Villanova sull'Arda (PC) - Italy
Tel. 0039.0523.837899
Fax 0039.0523.837381
UNI EN ISO 9001-2015 Certified Company

Data Sheet

K-FLEX 3000 CY POWER

Description :	EMC-compliant 600/1000 V. connection and power cable with black numbered cores for high-power servo motors.
Design:	
Construction :	Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5 PVC Insulation compound type **TI1** according to CEI 20-11 and VDE 0207 Black numbered cores + GY core Inner jacket in special PVC **TM2** according to CEI 20-11 and VDE 0207 Tinned copper screening with coverage 85% ± 5% Outer jacket with PVC **TM2** according to CEI 20-11 and VDE 0207
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 and IEC 60332-1 UV and weather-resistant according to ISO 4892-2 Ozone-resistant according to EN 50396 Oil resistant according: DIN EN 50290-2-22 resp. VDE 0819-102, TM54. The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE
Technical dates :	• Nominal voltage : 600/1.000V. • Spark Test voltage : 6000 V • Working temperature: Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C • Minimum bending radius: Occasional flexing: 20 x outer Ø Fixed installation: 6 x outer Ø
Use :	This cable is suitable as power supply and connection control cable, for machine tools, conveyor belts and plants, production lines, measuring and automatic control and computer units, equipment constructions, power stations, cooling and data processing systems, office machines. Predominantly installed in dry, damp or wet rooms at normal stress. If considering the temperature range and the UV protection it can be used outdoors too and is suitable for free, not continuously returning movement without tensile stress or compulsory guidance as well as for fixed laying. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.

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