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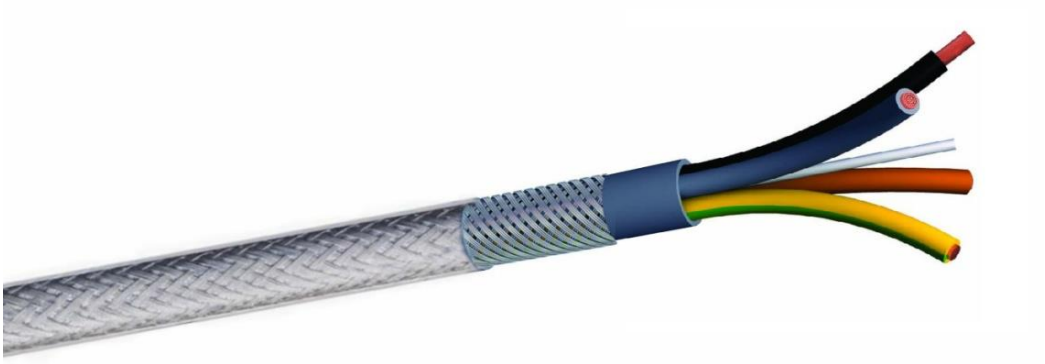
Data Sheet

K-FLEX 2000 CY

Description :	EMC-compliant connection and power cable with colour code cores for high-power servo motors with working voltage of 450/750 V. and 600/1000V.
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, colour code according to DIN VDE 0293. Inner jacket in special PVC **TM2** according to CEI 20-11 and VDE 0207 Tinned copper screening with coverage 85% ± 5% Outer jacket in transparent or grey 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 :	Flam retardant, according to IEC 60332-1 Based on IEC 60227-5 HD 21.5 S3 - VDE 0281 / 5 - HD 21.13 S1 - VDE 0281 / 13 High degree of screening low transfer impedance (max. 250 Ohm/km at 30 MHz) The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE
Technical dates :	• Nominal voltage : 450/750V 600/1000 V. from 10 mm² • Spark Test voltage : 5000 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 :	The K-FLEX 2000 CY cable is suitable as link 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.

02 August 2019