



K-FLEX 3000 C H.F POWER

Description : EMC-compliant 600/1000 V. Halogen Free 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
Halogen free insulation compound type TI6 according to HD 21.14 S1 annex A Black numbered cores with or without green yellow core
Halogen free inner jacket compound type **TM7** acc. to HD 21.14 S1 annex B
Tinned copper screening with coverage 85% ± 5%
Halogen free outer jacket compound type **TM7** acc. to HD 21.14 S1 annex B

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 60332-1-2 (flame spread on a single cable)
No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
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 : 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. 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. Environmentally friendly, EMC-compliant, Particularly suitable where human and animal life as well as valuable property are exposed to high risk of fire hazards