



K-FLEX 3000 H.F. POWER

Description : Halogen-free, power supply and control cable with Nominal Voltage 0,6/1kV and UV resistant.
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 jacket compound type **TM7** according 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 : 600/1.000 V.
- Spark Test voltage : 5000 V
- Working temperature : Occasional flexing: -15°C to +70°C
 Fixed installation: -40°C to +70°C
- Minimum bending radius Occasional flexing: 15 x outer Ø
 Fixed installation: 4 x outer Ø

Use : Environmentally friendly, halogen-free power supply and control cable covering all the applications in electrical systems in dry and damp interiors, especially in industrial environments and can also be used outside with respect to the temperature range. It is not suitable to be used as direct burial or underwater cable. The control cable 0,6/1 kV is suitable as a measuring, monitoring and control cable in the machine tool and plant engineering, in heating and air conditioning systems, refrigeration plants etc. Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards