



K-FLEX 2000 2XH-J 90°C POWER

Description : Halogen Free multi cores power supply cable with special XLPE insulation compound and Halogen Free outer sheath, working voltage 600/1000 V.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5 and IEC 60228 Cl.5
Special cross linked XLPE compound.
Colour code conductors as per VDE 0293
Outer jacket in special LSZH 90°C **TM7** compound 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 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
According to IEC 60502-1
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 600/1000V
- Spark Test voltage : 6000 V
- Working temperature: Occasional flexing: -15°C to +90°C
Fixed installation: -40°C to +90°C
- Minimum bending radius : Occasional flexing: 15 x outer Ø
Fixed installation: 4 x outer Ø

Use : The range of applications of the 0,6/1 kV control cable covers all 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 suitable to be used as direct burial but not as 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.