



K-FLEX 2000 S H.F. POWER

Description : Halogen Free EMC-compliant connection and power armoured cable with colour code cores for high-power servo motors, with working voltage of 600/1000 V.

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
 Halogen free inner sheath compound type **TM7** acc.to HD 21.14 S1 annex B
 Steel wires braiding with coverage 65% ± 5%
 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 : Self extinguish according to test method B IEC 60332-1

Flame-resistant according to IEC 60 332.3

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 +70°C
Fixed installation: -40°C to +70°C
- Minimum bending radius Occasional flexing: 20 x outer Ø
Fixed installation: 6 x outer Ø

Use : Environmentally friendly, Halogen-Free Control Cable especially for electrical equipment and installations in industrial environments, dry or damp interiors. Suitable for fixed installation under medium mechanical load conditions as well as for flexing application at free, non-continuously recurring movement without tensile load or compulsory guidance. Outdoor use with UV-protection only, considering the temperature range. Particularly suitable where human and animal life as well as valuable property are exposed to high risk of fire hazards. This triple-protected cable withstands the roughest operating conditions. High mechanical protection and a defined degree of electrical shielding is provided by the oxidation-protected steel wire braiding under the transparent outer sheath, which protects the braid against dirt