



## K-FLEX 3000 S H.F

**Description :** Halogen Free power supply and control cable with black numbered cores and steel wire braiding for increased mechanical protection.

**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  
Steel wires braiding with coverage 65% ± 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 : 300/500V
- Spark Test voltage : 3000 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 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. The triple-protected K-FLEX 3000 S H.F. 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. 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