



## K-FLEX 2500 C H.F POWER

**Description :** EMC-compliant, Halogen Free Shielded Power supply and Control Cable with colour code cores.  
**Design:**



**Construction :** Flexible bare copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5 and IEC 60228 Cl. 5  
Halogen free insulation compound type **TI6** according to HD 21.14 S1 annex A  
Colour code cores according HD 308 S2 table  
Polyester Tape  
Tinned copper wires braiding with coverage 85±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 60 332.3-24  
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  
UV and weather-resistant according to ISO 4892-2  
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
- Work 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, EMC-compliant, halogen-free Power supply 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 only considering the temperature range. In case jacket isn't black the cable must be protected against UV  
Particularly suitable where human and animal life as well as valuable property are exposed to high risk of fire hazards.