



## K-FLEX 3500 (St) C H.F POWER CPR B2ca

**Description :** EMC-compliant, Halogen Free, Power Supply and Control Cable with numbered cores for working voltage till 600/1000 V.

**Design:**



**Construction :** Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE0295 K5  
Halogen free insulation compound type **TI6** according to HD 21.14 S1 annex A  
Black numbered cores with or without green yellow core  
Aluminium Polyester tape  
Tinned copper screen with coverage 85%  
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  
CPR classification: B2ca, s1, d1, a1 ( It satisfies the non-flame propagation test, with the requirement of non-fire propagation and with emitted heat limits for this class ).  
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage : 600/1.000V
- 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: 20 x outer Ø  
Fixed installation: 6 x outer Ø

**Use :** Environmentally friendly, halogen-free Control Cable especially in industrial and/or EMC-critical environments. For fixed installation as well as for flexible application at free, non-continuously recurring movement.  
Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards