



K-FLEX 3500 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
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