



K-FLEX EMV EVA C FRNC 90°C

Description : EMC Compliant Halogen-free, flame-retardant screened power supply and control cable with nominal working voltage of 0,6/1kV

Design:



Construction :

Flexible bare conductors according to CEI 20-29 Class 5 and DIN-VDE0295 K5
Special Halogen free EVA based insulation compound type **TI6** according to HD 21.14 S1 annex A
Black numbered cores with (JZ) or without (OZ) green yellow core
Aluminium polyester taping, aluminium outside
Tinned copper wires braiding with coverage of 90%±5%
Special Halogen free jacket compound, heat resistant, type **TM7** according to HD 21.14 S1 annex B - Black Color

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 (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

UV and weather-resistant according to ISO 4892-3

Ozone-resistant according to EN 50396

CPR classification: Dca, 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 : 6.000 V
- Working temperature : Occasional flexing: -15°C to +90°C
Fixed installation: -40°C to +90°C
- Minimum bending radius Occasional flexing: 20 x outer Ø
Fixed installation: 6 x outer Ø

Use :

Environmentally friendly, halogen-free Power supply and 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