



K-DATA LIHCH CPR Cca DIN 47100

Description : Multi-conductors Halogen Free data transmission cables with copper braid screening and DIN 47100 colour code

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
DIN 47100 coloured coded cores
Polyester Tape
Tinned copper wires braiding 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
Based on VDE 0812
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 : 300/300V (up to section 0,34 mm²) - 300/500V
- Spark Test voltage : 3000 V
- Mutual capacitance : Approx. 80 nF/km
- Inductivity : Approx. 0.65 mH/km
- 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 :

Used for computer systems, MSR technology, office machinery, scales - screened cables with small dimensions. The signals transmitted along the cores can also interfere with other components. These effects are prevented by screening the cores. Screen as braiding of tinned copper wire (easy to solder) over the core insulation. Environmentally friendly, EMC-compliant, Halogen-Free is suitable for areas with a high density of people, e.g. public buildings or transport systems, as well as high-value property that must be protected in case of fire.