



K-FIRE 2000 - 30 (St)

Description : Multi-cores cable fire resistant and fire retardant, low smoke and halogen free, to be used in fire detection and fire alarm systems, voice alarm systems and emergency lighting systems.

Design:



Construction : Flexible Oxygen Free bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
Fire resistant ceramic polyolefin Type TI1 according according to HD 21.14 S1 annex A
Colour code as per VDE 0293 and HD 308
Tinned copper drain wire protective conductor which provides automatic screen earthing.
Laminated aluminium tape screen
Special polyolefin outer sheath Type TM7 according to HD 21.14 S1 annex A

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 : Fire resistant according to IEC 60331
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 61034-2
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 300/500V
- Spark Test voltage : 3000 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 : K-FIRE 2000-30 (St) cables are designed to be used in safety systems (emergency lights, warning systems, fire fighting equipments, etc ...) in all premises open to the public (concert hall, theatres, cinemas, department stores, hospitals, schools, etc ...), in high-rises buildings, in tunnels, in industries.
This cable is suitable for indoor fire alarm installations where the circuit must be maintained for up to 30 minutes.