# FireKab LIH(St)H-TP FE180 PH120




## Areas of Use

FireKab fire resistant cables are used for fire alarm systems, power supply or control of equipment that needs to function during a fire such as warning, emergency lighting, evacuation and monitor systems. The place of usage is intelligent or semi-intelligent buildings where dense human population or valuable goods are found. These can be hospitals, cinemas, theatres, schools, shopping centers, airports, factories, etc. FireKab products have low smoke density, are halogen-free and they don't emit poisonous gases.

## Cable Construction

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|---|---|
| **Conductor** | Stranded Annealed Copper (IEC/EN 60228, Class 5, 0.34 mm²: Class 2) |
| **Insulation** | Fire Resistant Silicon Rubber (EN 50363-1, BS 7655 EI2) |
| **Core Colors** | DIN 47100 (for more than 2 pairs black-white / numbered) |
| **Lay-up** | Cores are twisted as pairs and pairs are stranded in layers |
| **Flame Barrier** | Fiber Glass Tape |
| **Screen** | Al-PET Foil + Stranded Tinned Copper Drain Wire |
| **Outer Sheath** | HFFR (EN 50290-2-27), RAL 2004 - Orange (other colors upon request) |
| **Reference Standards** | TS 13734 |

## Technical Properties

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|---|---|
| **Operating Voltage** | 300 V / 500 V |
| **Test Voltage** | 2000 V |
| **Conductor Resistance** | 0.50 mm² - ≤39 Ω/km; 0.75 mm² - ≤26 Ω/km; 1.00 mm² - ≤19.5 Ω/km; 1.50 mm² - ≤13.3 Ω/km; 2.50 mm² - ≤7.98 Ω/km |
| **Insulation Resistance** | >200 M.Ωxkm |
| **Flame Retardancy** | IEC/EN 60332-1, IEC/EN 60332-3-24 |
| **Fire Resistance** | IEC 60331-21, EN 50200 PH120 |
| **Smoke Density** | IEC/EN 61034-2 |
| **Amount of Halogen Acid Gas** | IEC/EN 60754-1 |
| **Corrosive Gases Measurement** | IEC/EN 60754-2 |
| **Min. Bending Radius** | Fixed: 7.5 x Cable Diameter, Flexible: 15 x Cable Diameter |
| **Temperature Range** | -30 °C.....+70 °C, Flexible: -5 °C .....+60 °C |

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