

KAYBEE FIRE ALARM CABLE 1.5MM(16AWG) 100Y- FR2152/2C

The **KAYBEE FR2152/2C** is a specialized 2-core fire alarm cable designed for high-integrity safety systems. It is engineered to maintain circuit continuity during a fire, ensuring that alarms and emergency systems remain functional.

Parameter	Specification Details
Model / Part Number	FR2152/2C
Conductor Size	1.5mm ² (approx. 16 AWG)
Number of Cores	2-Core (Twisted Pair)
Conductor Material	Plain Annealed Copper (Solid or Stranded)
Insulation Material	Fire-resistant Silicon Rubber or special FR-PVC
Outer Sheath	Low Smoke Zero Halogen (LSZH) or Flame Retardant PVC
Sheath Color	Red (Standard for Fire Alarm Systems)
Voltage Rating	300V / 500V
Temperature Rating	-20°C to +105°C (continuous operating)
Standard Length	100 Yards (approx. 91.4 Meters) per roll

Performance Characteristics

- **Flame Retardancy:** Designed to inhibit the spread of fire along the cable.
- **Circuit Integrity:** Ensures communication between detectors and control panels even under high-heat conditions.
- **Low Smoke Emission:** Reduces the release of toxic gases and smoke during combustion, aiding in safe evacuation.
- **Flexibility:** Optimized for easy installation in conduits and cable trays.

Typical Applications

- **Fire Alarm Systems:** Connecting smoke detectors, heat sensors, and manual call points.
- **Notification Appliances:** Wiring for sirens, strobes, and emergency bells.
- **Voice Evacuation:** Public address systems used for emergency instructions.
- **Security Systems:** Critical surveillance and access control power.

Compliance & Standards

This cable is typically manufactured to align with international fire safety standards, including:

- **BS 5839:** Fire detection and fire alarm systems for buildings.
- **IEC 60332:** Tests on electric cables under fire conditions.
- **EN 50200:** Method of test for resistance to fire of unprotected small cables for use in emergency circuits.