

## SPRINT FIRE ALARM CABLE CUAL2C (91 METERS) 1.0MM

### Product Overview

- **Brand:** Sprint
- **Type:** Fire Alarm Cable
- **Model/Code:** CUAL 2C 1.0mm
- **Total Length:** 91 Meters (approx. 300 feet) per roll

### Technical Specifications

- **Conductor Material (CUAL):** Copper-Clad Aluminum (CCA). This provides a balance of conductivity and reduced weight/cost compared to solid copper.
- **No. of Cores:** 2-Core (typically Red and Black or Blue/Brown internal insulation).
- **Conductor Size:** 1.0mm<sup>2</sup> (Cross-sectional area).
- **Voltage Rating:** 300V / 500V.
- **Operating Temperature:** Typically -20°C to +75°C (standard) or higher for specialized fire-rated jackets.
- **Jacket Material:** Flame-retardant PVC or Low Smoke Zero Halogen (LSZH) (standard for fire safety).
- **Outer Color:** Usually **Red** (standard industry color for fire alarm circuits).

### Performance Data

- **Maximum Transmission Distance:** Up to **500 meters** when used for fire telephone systems or emergency assistance alarms.
- **Resistance:** 1.0mm cable is rated for general signal transmission in fire detection systems, including smoke detectors and heat sensors.

### Installation Guidelines

- **Cable Protection:** If installed below 7 feet (2.1m) or in non-accessible areas, it should be housed in a metallic conduit or raceway to meet safety standards.

- **Standard Compliance:** Often designed to meet **BS 5839** or equivalent local fire safety regulations (confirm specific regional compliance on the physical packaging).

### **Typical Applications**

- Fire Detection and Alarm Systems (FDAS).
- Emergency Voice Communication (EVC) and Disabled Refuge systems.
- Emergency lighting and siren/sounder circuits.