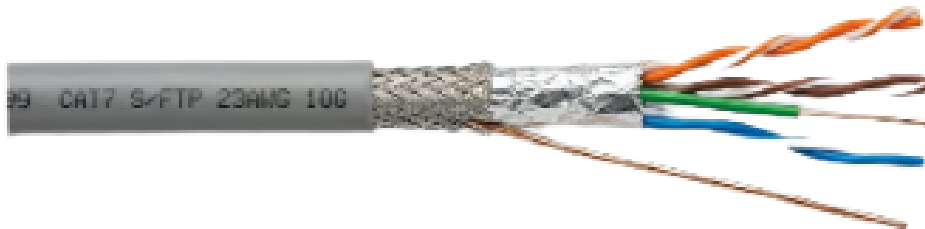


ACCUTECH 200395

Resident WanderGuard Plenum Rated Communication Cable | SKU 200395



PRODUCT OVERVIEW

The AccuTech 200395 Resident WanderGuard Plenum Rated Communication Cable is a high-performance RS485 communication cable specifically engineered to support the AccuTech WanderGuard System infrastructure. Packaged in a convenient 500-foot box, this specialized cable serves as the vital backbone linking network components, controllers, and receivers across a healthcare facility. Because it features a strict plenum-rated jacket, it is code-compliant and safely optimized for hidden installations inside environmental air-handling spaces, drop ceilings, and HVAC ventilation pathways where rigid fire safety regulations apply.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

The network data distribution and system telemetry lines shall utilize the AccuTech 200395 RS485 Plenum Rated Communication Cable to maintain localized and multi-zone component mapping. The cable shall establish high-speed, noise-resistant bidirectional serial data lines conforming to the RS485 standard, ensuring real-time event logging, remote monitoring, and stable communications between peripheral zone controllers and centralized master panels.

The physical cable construction must meet strict national and local building fire codes for installation within environmental air plenums. The outer insulation shall feature low-smoke, flame-retardant compounding that limits flame propagation and toxic smoke generation in the event of building structural combustion. The distribution template shall be unreeled directly from a protective bulk payout box to minimize inline twisting or tension strain during heavy installation pulls across complex facility topologies.

SYSTEM COMPONENTS

- 500-Foot RS485 Bulk Cable Reel: High-quality plenum-insulated serial network wiring providing sufficient runs for wide-area zone links.
- Plenum-Rated Jacket Housing: Specially formulated fire-resistant composite sheath allowing direct, un-conducted routing through air ducts and ceilings.
- Integrated Master Payout Box: Eco-friendly cardboard payout container designed to allow smooth unspooling and minimize physical wire binding or kinks on-site.

FEATURES AND BENEFITS

- **Industrial RS485 Serial Optimization:** Guarantees fast, robust, and uninterrupted data transmission between receivers and main controller nodes for accurate resident tracking.
- **Plenum Fire Safety Compliance:** Formulated specifically for air-handling spaces, meeting strict municipal safety codes and minimizing fire hazards within HVAC infrastructure.
- **Extended 500-Foot Length Box:** Delivers maximum installation flexibility across large wards or multi-floor layouts while reducing the cost overhead of multiple short cable runs.
- **High-Durability Shielded Construction:** Engineered with high-quality materials to resist electromagnetic noise/attenuation and extend operational lifespans.
- **Seamless WanderGuard Integration:** Designed natively to match the electrical and impedance characteristics needed for Accutech software and hardware handshakes.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	Resident WanderGuard Plenum Rated Communication Cable
Part Number / SKU	200395
Cable Type	RS485 Serial Communication Cable
Total Put-Up Length	500 Feet (152.4 Meters)
Cable Rating	CMP / Plenum-Rated (Air-Handling Spaces)
Application Ecosystem	Accutech WanderGuard & ResidentGuard Networks
Primary Purpose	Inter-component data and signaling telemetry
Packaging Format	Heavy-duty payout pull box

COMPLIANCE AND CERTIFICATION

- **FCC Status:** Formulated to support network shielding that prevents ambient radio-frequency emissions from exceeding FCC Part 15 restrictions when integrated with active controllers.
- **UL & Fire Safety Status:** Evaluated and certified under standard flame test rules (such as UL 910 / NFPA 262) for restricted flame propagation and low smoke density criteria.
- **RoHS Status:** Constructed entirely from lead-free, non-toxic, and environmentally sound materials to guarantee full compliance with current hazardous substance restriction guidelines.