Product Specification Sheet

US30-45-8

MV200 Replacement Program Cable



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The MV200 Replacement Program Cable (SKU: US30-45-8) is a specialized data interface assembly designed specifically for the MV200 Wireless Nurse Call Master Console. This dedicated cable establishes a secure, direct physical link between a local deployment computer running system utility software and the hardware motherboard of the MV200 Master Console. It is the mandatory hardware interface tool required by technicians to program, address, configure, and update firmware on individual wireless peripheral devices, such as bed stations, pendant transmitters, and emergency switches, across the facility's network.

Specifications

- **Primary Application:** Direct PC-to-MV200 Console configuration and device programming
- **Conductor Configuration:** High-purity multi-stranded copper wire cores
- **Shielding Matrix:** Aluminum-mylar foil shield with continuous structural drain wire
- **Outer Insulation Material:** Heavy-duty, flexible flame-retardant PVC compound
- **Standard Cable Length:** Approximately 6 feet (nominal operating sweep)
- **Connector Configuration:** Console-specific proprietary multi-pin header to host interface plug
- **Maximum Data Rate:** Optimized for system-specific legacy serial baud rates and data packet arrays

Equipment Options

- **US30-45-8:** Standalone replacement programming cable assembly.
- **WNC-PC-KIT:** Complete software deployment package containing the programming utility software, driver installation media, interface documentation, and the US30-45-8 cable.
- **USB-Serial Adapter:** Supplemental premium high-speed serial-to-USB converter interface dongle for host computers lacking integrated legacy DB9 serial hardware ports.

Architects' and Engineers' Specifications

The Wireless Nurse Call Programming Interface Assembly shall be model/SKU US30-45-8, manufactured explicitly to establish serial data synchronization routines with the MV200 Wireless Master Console. The cable shall feature a proprietary multi-pin connector termination mapped to the console motherboard bus, transitioning into a standardized computer communication interface link.

The cable construction shall utilize fully insulated copper conductors protected by an overall foil-shielding blanket to eliminate ambient stray interference fields during data transfers. The assembly shall feature over-molded thermoplastic strain-relief modules at both termination housings. The cable shall interface natively with authorized system software to facilitate device firmware updates, peripheral parameter enrollment, and comprehensive database provisioning.

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Features

- **Direct Interface Mapping:** Engineered specifically to connect a localized administration laptop or PC directly into the programming bus port of the MV200 Master Console.
- **Device Registry Sync:** Enables bidirectional data paths to register unique wireless component serial IDs and map specific physical room configurations.
- **Heavy-Duty Strain Relief:** Features ruggedized over-molded boots at all critical termination junctions to withstand repeated field deployments by technicians.
- **Shielded Conductor Core:** Manufactured with localized internal foil shielding to protect against electromagnetic or radio-frequency interference from distorting data packets during critical firmware uploads.
- **Plug-and-Play Initialization:** Recognized natively by official system configuration utility drivers to prevent data latency or protocol dropping.
- **Gold-Plated Pin Connector Plugs:** Pin tips feature gold-plating parameters to reduce contact resistance, prevent environmental oxidation, and ensure zero packet corruption.
- **Flexible PVC Jacket Assembly:** Outer jacket skin uses premium flexible polyvinyl chloride (PVC) compounds to prevent kinking, splitting, and internal conductor fatigue.
- **Field-Tested Reliability**: Explicitly verified to sustain structural data communication paths even when operating alongside active high-frequency facility hospital equipment.

Compliance and Certification

- **FCC:** Exempt as a standalone passive wiring assembly; however, components conform with Part 15 Class B structural noise shielding standards to prevent introducing external interference to the host console.
- **UL:** Built using UL-listed raw wiring stocks, matching structural flammability profiles acceptable for installation and use within facility maintenance control environments.
- **RoHS:** Fully compliant with regional Restriction of Hazardous Substances regulations; completely free of environmental contaminants including lead, mercury, and polybrominated biphenyls.

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