

Kendall™ DL Cable and Lead Wire System

A Disposable Cardiac Monitoring Solution Designed for Superior Clinical Performance



COVIDIEN

positive results for life™

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[Covidien Cardiac Monitoring Solutions]

Market Leader

Covidien is a market leader in disposable ECG monitoring products with a broad portfolio of products and services to meet all of your cardiac monitoring needs.

Innovation

Covidien is committed to innovation in the area of cardiac monitoring products, dedicating research and development resources to improve patient outcomes.

Manufacturing and Economic Sustainability

Covidien is focused on sustainability programs and services designed to reduce the consumption of resources and to deliver additional value to our customers.

Superior Customer Support

Covidien is dedicated to delivering superior customer service and support with a team of over 150 medical sales professionals supporting our cardiology portfolio in all health care settings.

Kendall™ DL Disposable ECG Cable and Lead Wire System

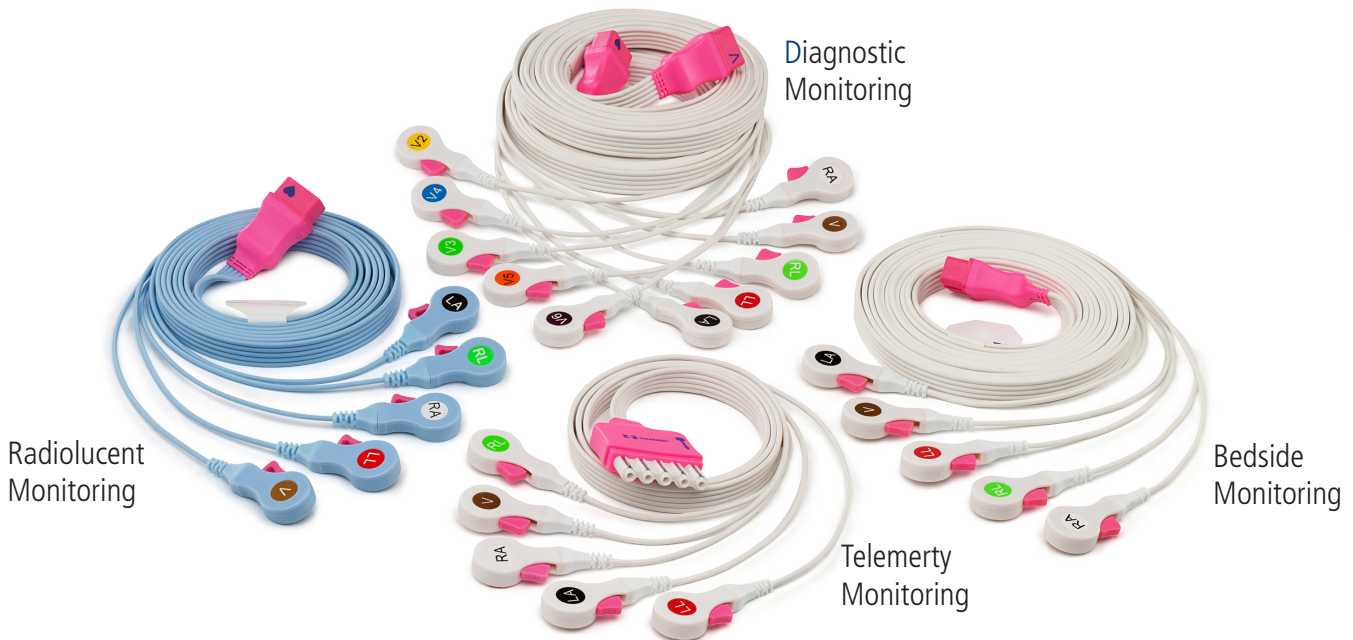
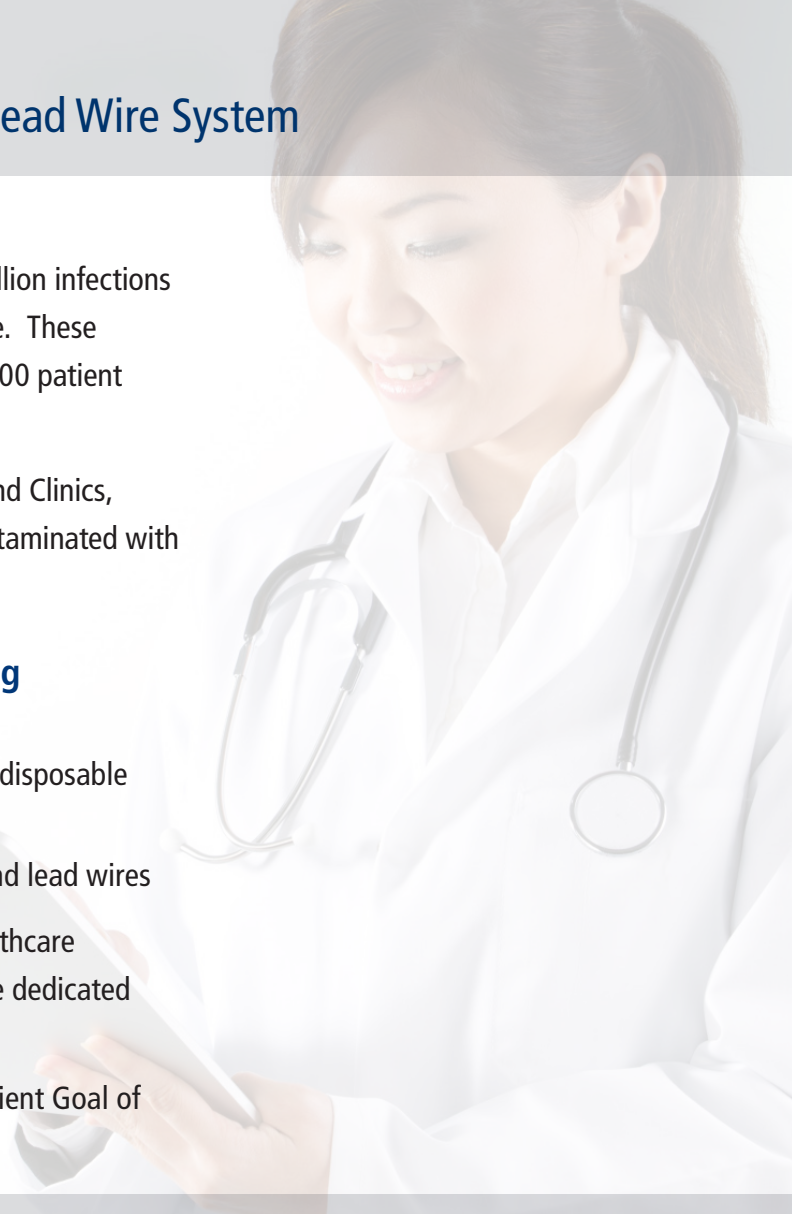
Cross Contamination Prevention

Each year in the United States, patients contract nearly 1.7 million infections in the hospital while they are being treated for something else. These Healthcare-Associated Infections (HAI's) result in nearly 100,000 patient deaths per year.¹

Research conducted at the University of Wisconsin Hospital and Clinics, Madison, identified that 77% of reusable ECG leads were contaminated with one or more antibiotic-resistant nosocomial pathogen.^{2,9}

Reduce the Risk of Cross Contamination by using the Kendall™ DL System

- Replace reusable cables and lead wires with a completely disposable single patient use system
- Avoid patient exposure to multiple reusable ECG cables and lead wires
- Meet Center for Disease Control (CDC) and Society of Healthcare Epidemiologists of America (SHEA) recommendation to use dedicated patient specific non-critical equipment^{5,6}
- Assist with The Joint Commission (TJC) National Safety Patient Goal of Reducing HAIs by implementing evidence-based practices⁷



Customer Survey:

One third of survey respondents reported that infections were reduced when Kendall™ DL system was incorporated as part of their infection control strategy.⁸

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Clinical Alarm Management

Clinical alarms have been identified as one of the top 10 technology hazards.³ The American Journal of Emergency Medicine reported that 99.4% of monitor alarms were determined to be false and less than 1% of monitor alarms resulted in a change in patient management.³

A national survey conducted on the impact of clinical alarms on patient safety report that a large portion of respondents identified false alarms as problematic because they disrupted patient care and reduced trust in the alarm information.⁴

Reduce Your Risk of False Clinical Alarms by using the Kendall™ DL System

- The patented push button design provides clinicians with a locking mechanism to the electrode for a stronger attachment
- Clinically proven to reduce the incidence of false “leads off” alarms¹⁰
- Fully shielded system reduces the risk of electromagnetic interference (EMI)
- Meets the American Association of Medical Instrumentation (AAMI) recommendation for “medical devices being configured to minimize nuisance alarms”³
- Assists with The Joint Commission’s requirements to implement a clinical alarm management strategy⁷

The Kendall™ DL ECG lead wire system with a patented push button design had superior effectiveness in decreasing “no telemetry/lead wire failure/lead wire off” alarms compared to reusable ECG lead wires.¹⁰

Customer Survey:

40% of respondents reported “lead pop off” alarms were reduced by half after converting to the Kendall™ DL system.⁸

Kendall™ DL Disposable ECG Cable and Lead Wire System



Patient Flow

- One lead set can travel with the patient throughout their entire hospital stay
- Dual Connect option allows for easy transition between bedside and telemetry monitoring
- Promotes standardization and consolidation of ECG cables and lead wires
- OR high frequency adapters provide additional noise filtration to reduce interference from OR equipment
- Radiolucent lead options available for patients requiring X-rays

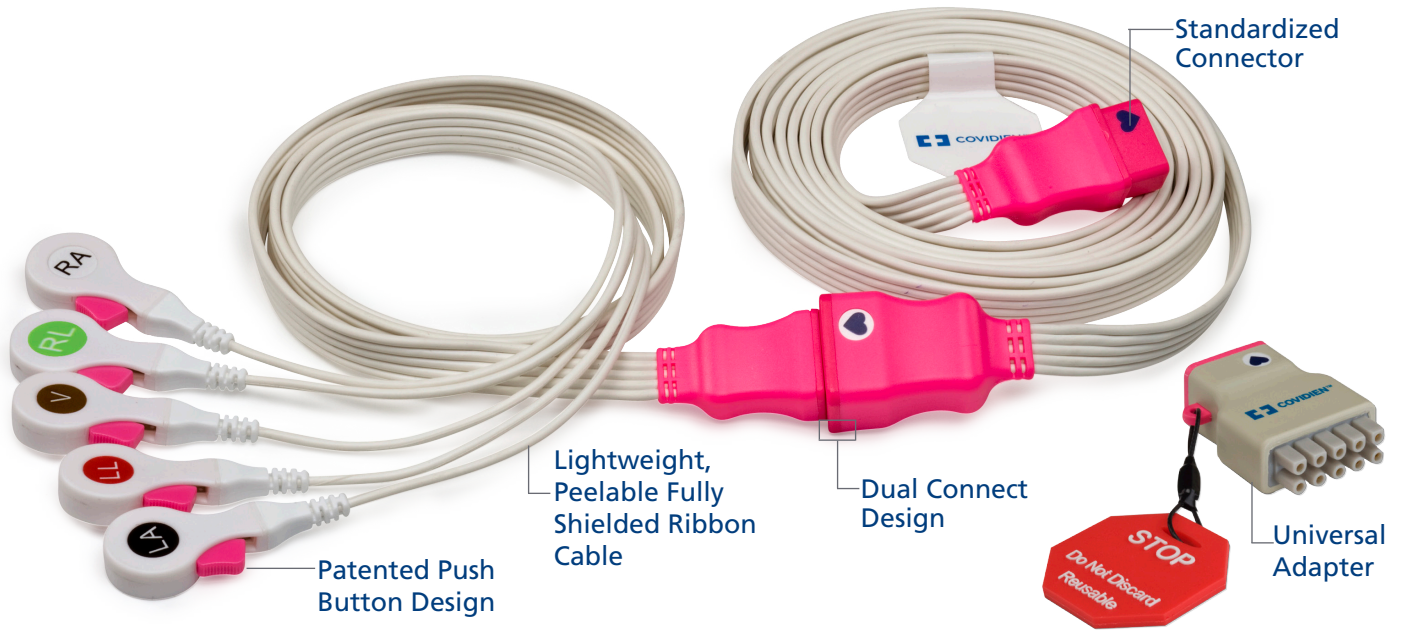
Economic Sustainability

- Fewer ECG lead wire assessments and adjustments are required which can save nursing time
- Manufacturing efficiencies reduce the waste associated with the design, development, and production of our products
- Value based programs and services designed to streamline costs and minimize ECG lead wire maintenance

Customer Survey:

93% of customers were very satisfied or extremely satisfied with their experience using the Kendall™ DL system for monitoring their patients.⁸

Kendall™ DL Disposable ECG Cable and Lead Wire System



FEATURE	BENEFIT
Single Patient Use ECG Cable and Lead Wire System	Patient to monitor protection that decreases the risk of cross contamination and improves patient care
Dual Connect Option for Bedside and Telemetry Monitoring	One system per patient for transition hospital wide
Patented Push Button Design	Clinically proven to reduce the risk of "leads off" false alarms
Pressureless Lead Attachment	Secure lead wires to any electrode without pressing on the patient
Fully Shielded Cables and Leads	Reduces the risk of Electromagnetic Interference (EMI)
Peelable Ribbon Design	Prevents lead wire entanglement and allows a customized fit to any patient size
Lightweight Design	Added patient comfort
Standardized Connector	Promotes consolidation and standardization of ECG cables and lead wires throughout the facility
Easy to Read Labeling	Simple connection and lead placement
Unique Product Color	Quick verification of connection points and components
Universal Adapters	A no charge item that remains with the monitoring equipment and allows one lead to be used with each patient even if there are different brands or models of ECG monitoring equipment
Telemetry Direct Connect	Disposable lead set that connects directly into the telemetry box without the use of an adapter



Push button design for secure electrode attachment



Direct connect version for telemetry monitors



Disposable ECG cable and lead wire sets offering patient to monitor protection



Dual connect and universal adapters allows transition between bedside and telemetry monitors

Ordering Information

ITEM CODE	PRODUCT DESCRIPTION	ADAPTER REQUIRED	PACKAGING
33103	Disposable 3 Lead System	X	10/box, 100/case
33105	Disposable 5 Lead System	X	10/box, 100/case
33110	Disposable 10 Lead System Kit	X	5/box, 50/case
33111	Disposable Chest Leads (V-leads)	X	10/box, 100/case
33112	Disposable 5 Lead System For Use With GE Telemetry System - Direct Connect		10/box, 100/case
33113	Disposable 5 Lead System For Use With Philips Veridia™ Telemetry System - Direct Connect		10/box, 100/case
33114	Disposable 5 Lead System For Use With Philips IntelliVue™ Telemetry System - Direct Connect		10/box, 100/case
33125	Disposable 6 Lead System For Use With GE Apex™ Pro CH Telemetry System - Direct Connect		10/box, 100/case
33126	Disposable 6 Lead System For Use With GE Apex™ Pro FH Telemetry System - Direct Connect		10/box, 100/case
33132	Disposable 5 Lead System For Use With Draeger Dual Pin - Direct Connect		10/box, 100/case
33133	Disposable 5 Lead System For Use With Spacelabs Telemetry System - Direct Connect		10/box, 100/case
33134	Disposable 6 Lead System For Use With Nihon Kohden - Direct Connect		10/box, 100/case
33135	Disposable Dual Connect Cable and Lead Wire System	X	5/box, 50/case
33136	Disposable Dual Connect Lead Set	X	1 each
33144	Disposable Single Telemetry Lead	X	10/box, 100/case
33145	Disposable Dual Connect Cable	X	1 each
33136R36	Disposable 5 Lead Radiolucent 36"	X	10/box, 100/case
33136R72	Disposable 5 Lead Radiolucent 72"	X	10/box, 100/case

www.kendalld.com

¹Yokoe, DS et al (2008). "A Compendium of Strategies to Prevent Healthcare-Associated Infections in Acute Care Hospitals." Infection Control and Hospital Epidemiology. October 2008; Vol.29, Supplement 1; pps. S12-S21.

²Jancin (2004). "Antibiotic - Resistant Pathogens Found on 77% of ECG Lead Wires". Cardiology News. March 2004.

³AAMI Conference (2011). Clinical Alarm Management. October 4-5, 2011. Washington, DC.

⁴American College of Clinical Engineering (2006). "Impact of Clinical Alarms on Patient Safety". ACE Healthcare Technology Foundation Report; 1-19.

⁵Siegel, JD et al (2006). "Management of Multidrug-Resistant Organisms in Healthcare Settings, 2006". Centers for Disease Control and Prevention; the Healthcare Infection control Advisor Committee (HIPAC); 1-74.

⁶Muto, CA et al (2003). "SHEA Guideline for the Prevention of Nosocomial Transmission of Multidrug-Resistant Strains of Staphylococcus aureus and Enterococcus". Infection Control and Hospital Epidemiology; vol. 24, No.5: 362-386.

⁷www.thejointcommission.org website accessed 3/10/14.

⁸OnlineCustomer Survey conducted by Covidien December 2011.

⁹Safdar, N et al (2012). "Telemetry Leads as Reservoir for Nosocomial Pathogens." International Journal of Infection Control. December 2012; Vol. 8; Issue 12.

¹⁰Albert, NM et al (2013). "Randomized Controlled Trial of Differences in Artifact/Noise Alarm Events in Disposable versus Reusable ECG Lead Wires." AACN, NTI & Critical Care Expo, Boston, MA 2013.



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Covidien Cardiac Monitoring Solutions

Kendall™ DL Cable and Lead Wire System

Monitoring Electrodes

Diagnostic Electrodes

Neonatal Electrodes

Defibrillation Electrodes

Recording Chart Paper

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