

APPLICATION BRIEF

HEALTH CARE

● NEC

517

Woodhead® Electrical Products from Molex Help Hospitals Protect Patient and Worker Safety and Equipment Integrity

From patient rooms and diagnostic labs, to portable equipment carts and emergency vehicle bays, Woodhead® electrical products are deployed to enhance safety, efficiency and comfort.

Business Challenge: Ensuring Electrical Safety in Demanding and Sensitive Environments. One of the main challenges facing hospitals, rehabilitation centers and nursing homes is protecting the safety of patients and workers by minimizing physical hazards and complying with applicable safety codes, including electrical codes. According to the US Department of Health and Human Services, at least one worker is electrocuted every day. In a hospital setting where hospital workers are walking around equipment in these extreme environments there is a need for added protection for cable damage and wear. Woodhead® electrical products include a wide range of hospital duty and hospital grade electrical components that meet OSHA and NEC requirements and are designed to assist in protecting patient and worker safety. Hospitals must also take care to ensure that sensitive clinical and diagnostic equipment – such as IV units, lab analyzers, heart monitors and EKG machines – are properly protected against electrical damage caused by inadequate wiring, fuses or connectors. Our products also offer protection of costly equipment from electrical hazards in hospitals, rehab centers and other health care environments.

Solutions: Woodhead Hospital Duty and Hospital Grade Electrical Products. All of the electrical products we offer for use in health care environments are robustly engineered and built for superior performance, durability and reliability. Hospital duty and hospital grade products can be easily identified in our product catalogs by their green dot marking. A few of these products include:

Super SAFEWAY® Hospital Duty Plugs and Connectors. Our NEMA 5-15 and 5-20 plugs and connectors are designed for use with patient monitoring equipment where ground continuity is imperative. Lighted plugs and connectors allow nurses and technicians to locate the power source and connect equipment at night without disturbing patients.

SAFEWAY® Hospital Grade Plugs, Connectors and Receptacles, designed for general purpose applications also offer long life and reliability. These include:

- Hospital rated receptacles featuring a nylon faceplate and body sonic welded together to form a single solid component.
- Transparent plugs and connectors for instant visual check of wiring integrity.
- Lighted plugs and connectors which allow equipment to be connected without disturbing patients.
- Individually fused grounding plugs which protect the electrical integrity and sensitive calibration of portable clinical and diagnostic equipment.
- Right-angle plugs to provide variable orientation of plugs in tight spaces.
- Pendant-style outlet boxes and connectors, which can be hidden above drop ceilings to provide power on demand to mobile carts and diagnostic equipment.
- Meets NEC 517 requirements

Woodhead Industrial Duty Cable and Hose Reels. Our spring-powered, industrial duty reels are made of precision electrical and mechanical components and can accommodate wire, cable or hose. Suitable for use in hospitals and emergency ambulance bays, the reels meet NEMA ratings for water, weather, corrosion and rust resistance. They are available in varying retraction rates and with a full range of accessories. Meets NEC 517 requirements.

Woodhead Cable and Cord Grips are tough, dependable and flexible. Grips are available in a variety of versions to provide support for the cable, or to serve as a strain relief or cable pulling device.

Benefits and ROI: Only Molex offers such an extensive range of electrical products and accessories designed for use in harsh, demanding and sensitive environments. Our diverse line of hospital rated components help health care organizations to enhance patient safety and comfort, increase worker safety and efficiency, and protect their property and equipment investment.



To learn more about Woodhead® electrical products and solutions, call your Molex representative today or call 1-800-225-7724 or visit www.woodhead.com

Woodhead®
from **molex**