

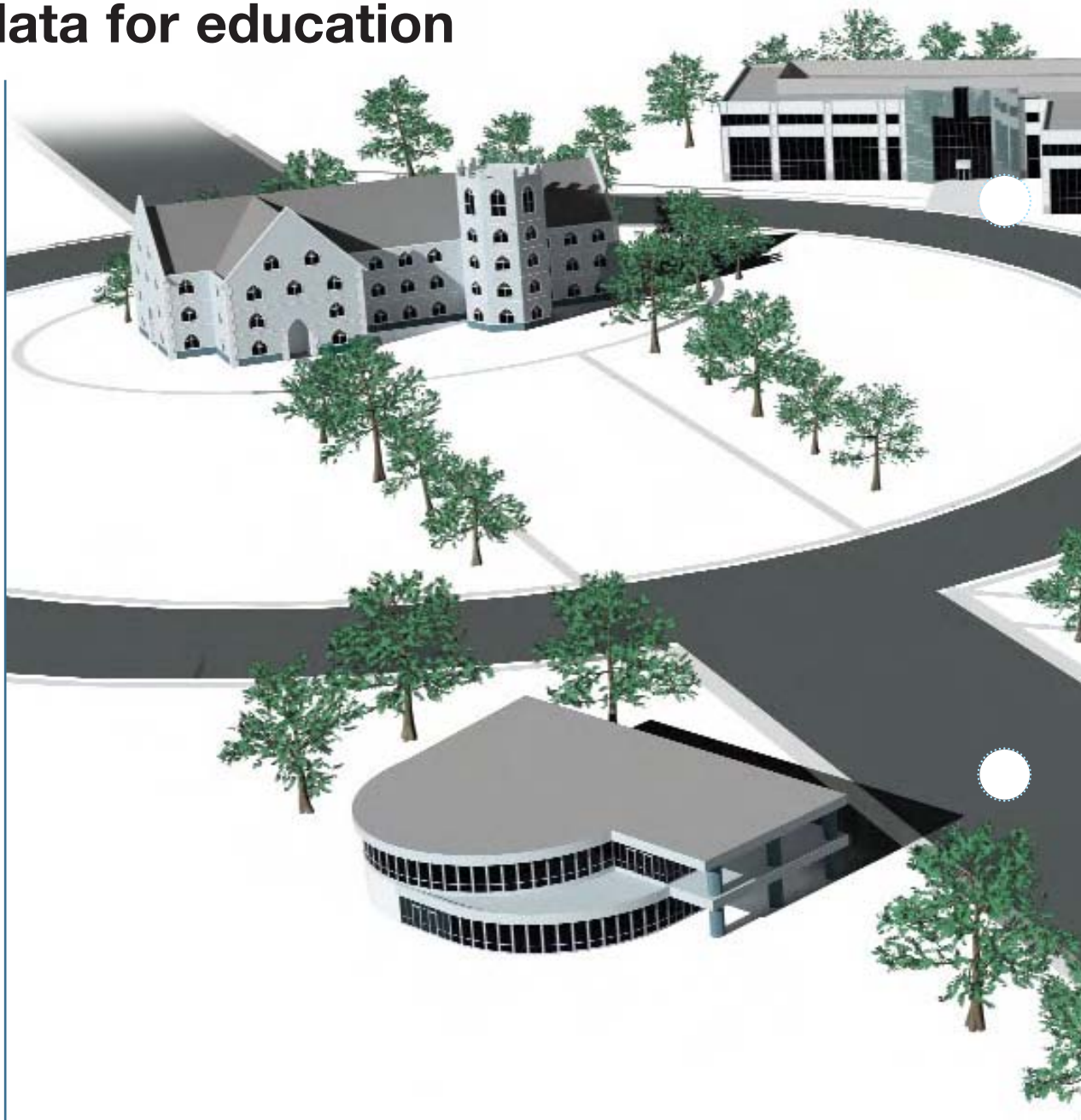
Hubbell makes the grade on power, voice, and data for education

For today's students to fully succeed in the fast-paced 21st century, technology must be an integral part of the educational experience. Understanding and using technology improves teaching and learning, expands academic opportunities, and provides the critical skills needed in today's ever-changing global economy.

Integrating emerging technologies that allow your educational facility to keep pace presents many unique challenges to administrators. Budgets, classroom sizes, building layouts, energy management, multimedia delivery, safety, security, power quality, and wireless needs must all be assessed and properly planned.

No company is better positioned to service your unique requirements than Hubbell. Hubbell has assisted thousands of elementary, secondary, and higher educational facilities in understanding and solving their individual requirements for the delivery, management, and housing of voice-data-video and power applications. Hubbell has provided quality, innovative solutions to the educational market for over 100 years.

The following solutions combine Hubbell Wiring Device-Kellems' electrical wiring device products and Hubbell Premise Wiring's voice-data-video connectivity products to assist you in solving your academic environment's unique challenges.



ADMINISTRATION OFFICES

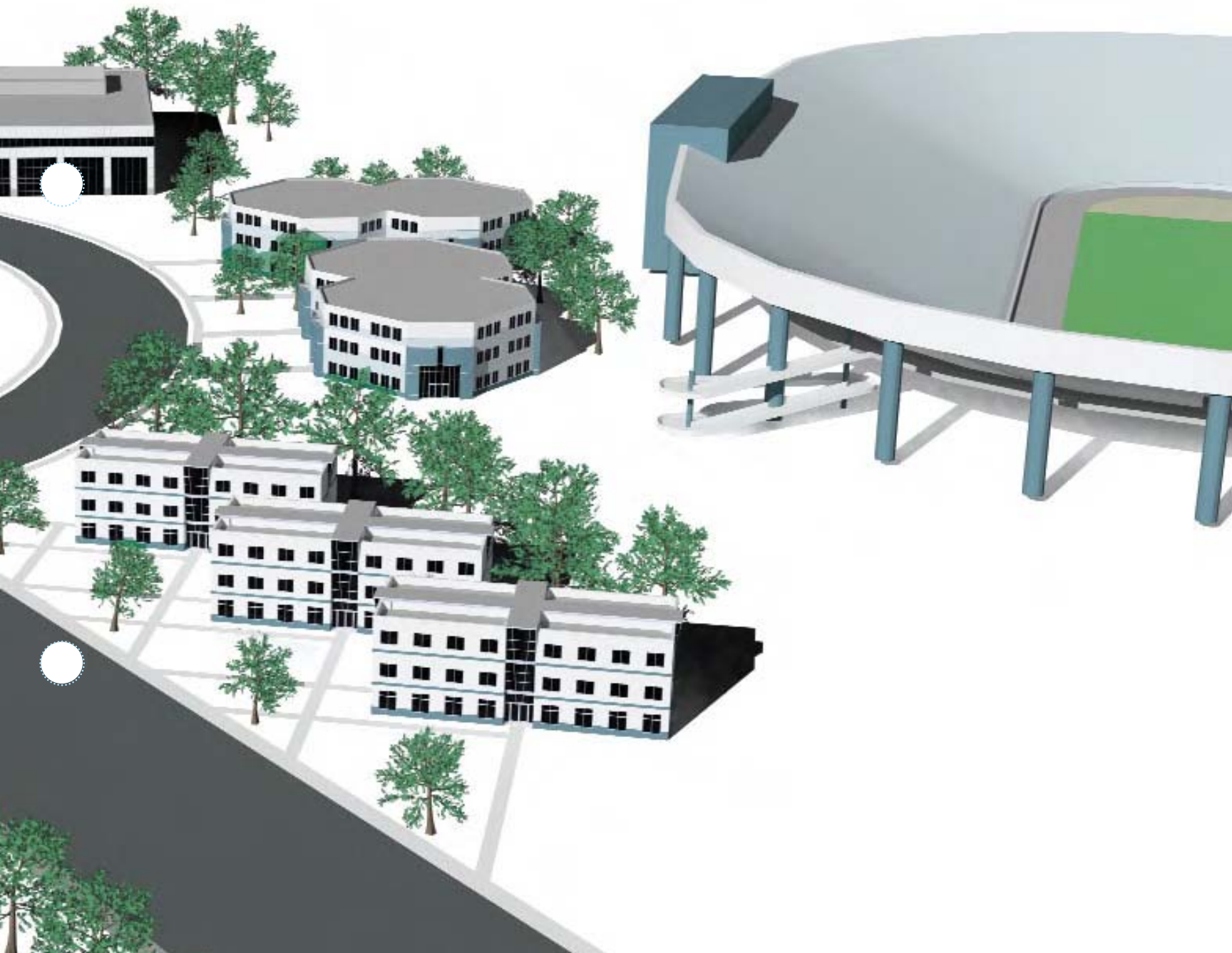
The proliferation of computers and related peripherals has improved communication among faculty, staff, parents, students, and the community. Administrative offices use technology to improve productivity and organizational development. Solutions that include power quality protection and properly installed cabling infrastructure provide maximized system uptime for busy administrators.

STUDENT UNIONS

Student populated areas like cafeterias, bookstores, and gathering spaces have a multitude of power and datacom needs. From safe power connections in food preparation areas and data requirements at point-of-sale terminals, to wireless access for student commons and lighting control in unoccupied rooms - all demand modern day solutions.

SCIENCE AND RESEARCH BUILDING

Science and research centers are demanding environments for power and datacom connections, requiring protection against abuse and corrosion. Education facilities face the challenge of providing safe laboratories while delivering bandwidth to support high-speed, error-free network transmission for today's interactive experiments and data collection.



ACADEMIC BUILDING

Smart classrooms are collaborative environments where state-of-the-art interactive information systems, video conferencing, and multimedia technologies are used. Supporting technologies such as wireless and distance learning, allow students and teachers to reach beyond local resources. Energy management helps manage electricity costs required to power the buildings.

DORMITORIES

In today's educational facilities, technology is integral from the classroom to student life, demonstrated by high-speed Internet access in almost every dormitory room. Also, security and safety requirements are paramount in living areas of educational facilities, whether it's GFCIs, durable receptacles, or tamper-proof voice-data-video connections, safe and reliable power and data delivery is critical.

ATHLETIC FACILITIES

Delivering safety, convenience, power, and multimedia to rugged indoor arenas or harsh outdoor stadium environments poses a challenge for educational facilities. Ensuring spectator safety and providing power supplies and datacom connections for real-time transmission of major sporting events is essential to maintaining state-of-the-art athletic facilities.

Unique solutions for education

Power Quality/Protection



With increased processing capabilities, computers have become more sensitive to transient voltage surges. About a third of power problems are caused by outside sources such as lighting and utility grids. Protecting valuable telecom and data equipment from damage is essential, especially when budgets are tight and equipment is scarce. Hubbell offers service entrance, branch, and point-of-use protection products that shield equipment and sensitive data from damage caused by transients.

- SpikeShield® Panels
- SpikeShield® Surge Strips
- Isolated Ground Receptacles
- Surge Receptacles



Enhanced Energy Efficiency

Lighting costs represent a significant expenditure for educational facilities, presenting a concern for administrators. Several states have adopted the ASHRAE 90.1 standard or have implemented guidelines for managing lighting and energy usage. Hubbell is a recognized leader in the occupancy sensor market, offering a variety of sensors and technologies that provide efficient lighting to reduce unnecessary costs.

- Dual Technology (Ultrasonic and Passive Infrared) Ceiling and Wall Switch Sensors
- Ultrasonic Ceiling and Wall Switch Sensors
- Passive Infrared Ceiling and Wall Switch Sensors
- Outdoor Sensors
- Control Units
- Add-A-Relay
- Digital Timers

Converged Voice-Data-Video



Parallel networks are becoming a thing of the past. Schools and universities are converging voice, data, video, building controls, and other technologies over a single network infrastructure for efficiency. Hubbell solutions enable educational facilities to support multimedia, wireless access, and distance learning.

- Xcelerator™ Jacks
- NEXTSPEED®/SPEEDGAIN®
- Patch Panels
- Patch Cords
- Blocks



Extended Bandwidth

The ability to support emerging applications such as 10GEnet, PoE, WLAN, VoIP, MPEG video, video-conferencing, and distance learning is the foundation for bringing technology into today's educational facilities. With Hubbell's complete line of multimode and singlemode fiber optic solutions designed to exceed standards requirements, you can rest assured the bandwidth will be there when you need it.

- Fiber Connectors
- OPTICHANNEL™ Enclosures
- Fiber Jumpers
- Fiber Pigtailed
- Patch Panels

Power and Data Delivery



Hubbell's broad offering of delivery system solutions route, store, and house power and voice-data-video cabling connections in a variety of campus buildings. Whether you are routing cabling along walls, through the-floor, or down from the ceiling, Hubbell has a solution that fits your need.

- Non-Metallic Raceway
- Fire-Rated Poke-Through Devices
- Floor Boxes
- Raised Access Floor Boxes
- Service Poles

How to use this brochure:

1. Select your type of building.
2. Review the space requiring applications.
3. Select your solution.
4. GO to line cards for product info.

www.hubbell-solutions.com/edu

Product Key:

- Hubbell Premise Wiring
- Hubbell Wiring Device-Kellems

Open Office



From administrative offices to open common areas, providing connections for voice-data-video and WLAN access points requires a non-traditional approach. Many facilities are turning towards zone cabling for easy management. Hubbell's extensive offering of furniture plates, surface boxes, zone cabling, and wireless access enclosures are specifically designed to provide cabling connections in offices and open environments throughout educational facilities.

- Infin-e-Station™ Furniture Plates
- Infin-e-Station™ Surface Mount Boxes
- ZoBOX™ In-Ceiling and Access Floor Zone Boxes
- Wireless Access Enclosures
- MUTOA Patch Cords
- 110 Block Systems



Demanding Environments

Outdoor stadiums exposed to extreme weather conditions, research laboratories with corrosive chemicals, and wash-down areas in food service locations require reliable and safe power and voice-data-video connections to maintain public safety in any educational facility. Hubbell offers a wide variety of impact, tamper, and corrosion resistant products designed to provide maximum safety in demanding environments.

- HiImpact Jacks
- HiImpact Plates
- HiImpact REBox® Enclosures
- Tamper Resistant Plates
- Infin-e-Station™ Stainless Steel Plates
- Watertight Safety Shroud Twist-Lock®
- Watertight Pin and Sleeve

Cable Management/Organization



Proper cable management and administration can be a difficult task for network administrators at educational facilities. Telecommunication spaces and horizontal cabling closets are now being moved closer to the user with many located in hallways, classrooms, or temporary buildings. Hubbell's racks, enclosures, and cable management organizers can handle your application requirements. Hubbell's Labeling System allows you to properly label work area and closet locations for easier, error-free moves, adds, and changes.

- Hubbell Labeling System
- REBox® Enclosures
- QuadCab® Wall Mount Cabinet
- NEXTFRAME® Cable Management and Racks



Power Connections

Throughout an educational facility, reliable power connections are a critical component. Hubbell offers a wide range of products that eliminate strain on terminations for maximum reliability, provide consistent switching mechanisms, and prevent inadvertent switching or tampering. Hubbell power connections are designed to handle all educational facility applications.

- Straight Blade Plugs, Connectors and Receptacles
- Twist-Lock® Plugs, Connectors and Receptacles
- Single Pole Devices
- Pin and Sleeve Plugs, Connectors and Receptacles
- Manual Motor Controllers
- Disconnect Switches
- Wall Switches
- Locking Switches
- Wall Plates

Personal and Facility Safety



Hubbell provides solutions that protect people from potential electrical dangers, which is a major concern for schools. Hubbell's offering includes devices that virtually eliminate contact with energized blades, prevent potential electrical shock during ground faults, limit unauthorized electrical usage, protect electrical cables, cords, and hoses, and deliver electricity for power and lighting applications.

- Safety Shroud Twist-Lock®
- Cord Reels
- TredTrak®
- TrukTrak®
- FloorTrak®
- AccessTrak®
- Mechanical Interlock Enclosures
- Ground Fault Receptacles
- Portable GFCIs
- Lockout Devices

Hubbell solutions make teaching and learning more effective



Delivering power and technology for creative learning

Today's educators and students use state-of-the-art interactive information systems, video conferencing, and multimedia technologies. A proper cabling infrastructure delivers emerging technologies to educational facilities, while power protection and energy management maintain safety and help control electricity costs.

Classrooms

Converged Voice-Data-Video
Cable Management/Organization
Enhanced Energy Efficiency

Power and Data Delivery Systems
Power Quality/Protection
Power Connections



Converged Voice, Data and Video

- Xcelerator™ C5e and C6 Jacks
- Snap Fit™ Connectors
- Infin-e-Station™ Modular Plates
- Multimedia Panels
- Patch Cords



Cable Management/Organization

- Hubbell Labeling System
- REBox® Enclosures
- QuadCab® Wall Mount Cabinet
- NEXTFRAME® Wall Mount Rack



Open Office

- Wireless Access Enclosures
- Xcelerator™ C5e Jacks
- Infin-e-Station™ Plates
- Raceway



Power and Data Delivery Systems

- Raceway
- Floor Boxes
- Fire-Rated Poke-Throughs

Lecture Halls

- Converged Voice-Data-Video
- Open Office
- Power and Data Delivery Systems
- Enhanced Energy Efficiency

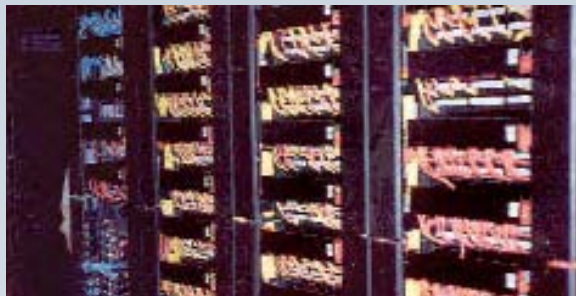


Library

- Open Office
- Cable Management/Organization
- Power Connections

Temporary Class Rooms

- Extended Bandwidth
- Power Connections
- Personal and Facility Safety



Enhanced Energy Efficiency

- H-MOSS® Occupancy Sensors
 - Ceiling Sensors
 - Wall-mounted Sensors
 - Wall Switch Sensors



Power Quality/Protection

- SpikeShield® Surge Strips
- Surge Receptacles
- SpikeShield® Panel Surge
- Isolated Ground Receptacles



Power Connections

- Straight Blade Plugs, Connectors and Receptacles
- Wall Switches
- Locking Switches
- Wall Plates



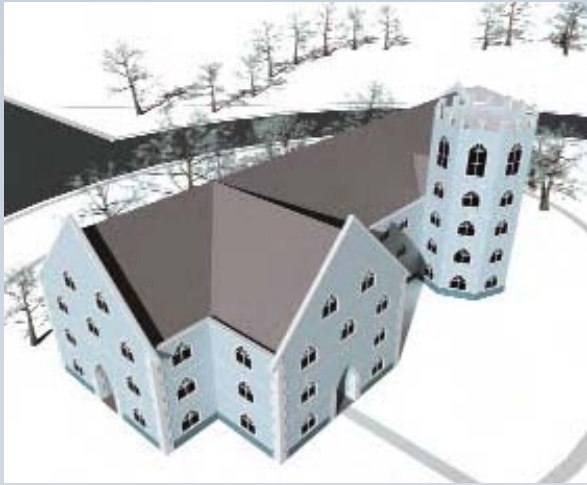
Demanding Environments

- Watertight Safety Shroud Twist-Lock®
- Watertight Pin and Sleeve
- Tamper Resistant Plates

Product Key:

- Hubbell Premise Wiring
- Hubbell Wiring Device-Kellems

Hubbell connections put education first



Improving productivity with power protection and data connections

Hubbell's complete line of products brings extended bandwidth, easy management, and power protection to faculty and staff. Quality solutions for the open office, conference room, and back-office operations provide maximized system uptime for administrators, enabling improved budgeting, communication, and productivity.

Administrative Offices

Converged Voice-Data-Video
Cable Management/Organization
Power and Data Delivery System
Power Quality/Protection
Enhanced Energy Efficiency



Cable Management/Organization

- NEXTFRAME® Racks
- NEXTFRAME® Ladder Racks
- Full Size Enclosures
- NEXTFRAME® Grounding and Bonding



Extended Bandwidth

- OPTICHANNEL™ Fiber Enclosures
- OPTICHANNEL™ Fiber Connectors
- 110 Blocks
- NEXTSPEED® Category 6 Panels



Open Office

- Infin-e-Station™ Furniture Plates
- Infin-e-Station™ Surface Mount Boxes
- ZoBOX™ - Zone Boxes
- 110 Blocks and Patch Cords
- MUTOA Patch Cords



Personal and Facility Safety

- Cord Reels
- TrukTrak®
- TrukTrak®
- AccessTrak®
- Mechanical Interlock Enclosure
- Ground Fault Receptacles
- GFCI Portables
- Lock-Out Devices

Conference Room

Converged Voice-Data-Video
Enhanced Energy Efficiency
Cable Management/Organization
Power and Data Delivery Systems
Power Connections

Boiler Room

Personal and Facility Safety
Power and Data Delivery Systems
Power Connections
Demanding Environments

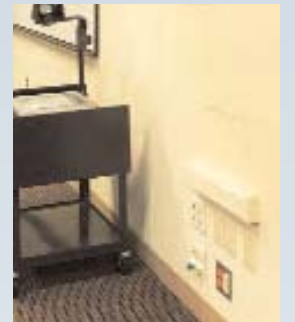
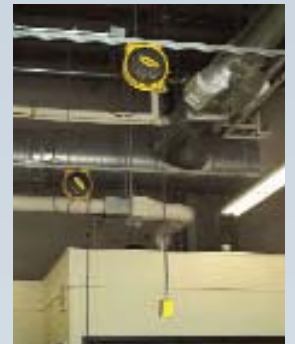


Entrance Facility

Converged Voice-Data-Video
Power and Data Delivery Systems
Extended Bandwidth
Cable Management/Organization
Power Quality/Protection

Telecom Room

Converged Voice-Data-Video
Cable Management/Organization
Extended Bandwidth
Power and Data Delivery Systems
Power Quality/Protection



Power and Data Delivery Systems

- Fire-Rated Poke-Throughs
- Raceway
- Floor Boxes
- Power Distribution System
- Service Poles



Enhanced Energy Efficiency

- H-MOSS® Occupancy Sensors
 - Ceiling Sensors
 - Wall-mounted Sensors
 - Wall Switch Sensors



Power Quality/Protection

- SpikeShield® Panel Surge
- SpikeShield® Surge Strips
- Surge Receptacles
- Isolated Ground Receptacles



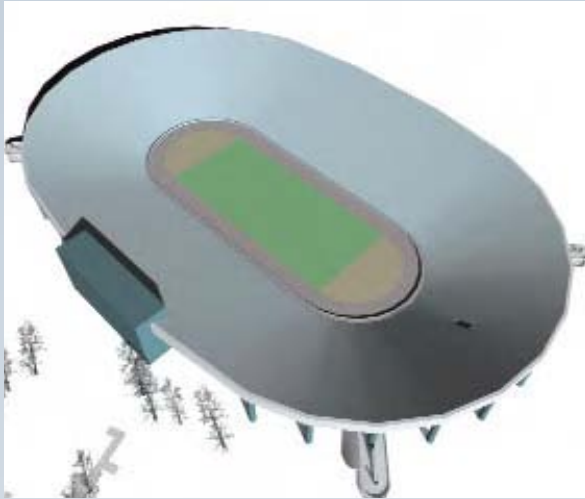
Power Connections

- Straight Blade Plugs, Connectors and Receptacles
- Twist-Lock® Plugs, Connectors and Receptacles
- Manual Motor Controllers
- Disconnect Switches
- Wall Switches
- Watertight Pin and Sleeve

Product Key:

- Hubbell Premise Wiring
- Hubbell Wiring Device-Kellems

Hubbell holds the winning combination for the home team



Creating state-of-the-art facilities with safety and convenience

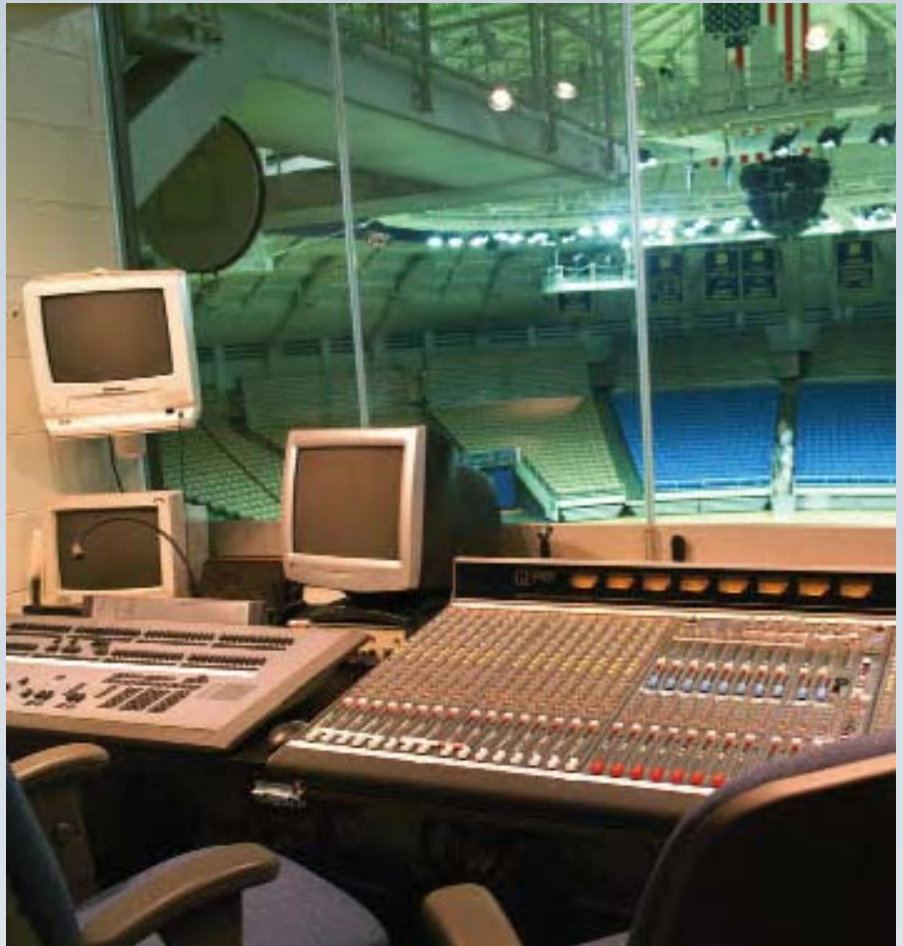
Hubbell products provide safety, convenience, power and multimedia for demanding environments like outdoor stadiums and food service areas. From maintaining spectator safety to providing power and datacom connections, Hubbell's winning combination is essential to maintaining state-of-the-art athletic facilities with real-time transmission of major sporting events.

Stadium

Demanding Environments
Personal and Facility Safety
Converged Voice-Data-Video
Cable Management/Organization

Arena

Converged Voice-Data-Video
Power Connections
Personal and Facility Safety



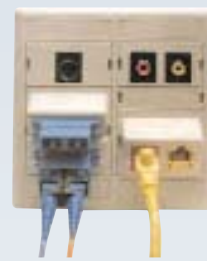
Demanding Environments

- HiImpact Jacks
- HiImpact Plates
- HiImpact REBox® Enclosures
- Watertight Safety Shroud Twist-Lock®
- Watertight Pin and Sleeve
- Tamper Resistant Plates



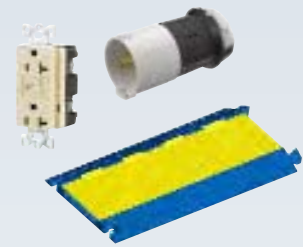
Cable Management/Organization

- NEXTFRAME® Racks
- NEXTFRAME® Ladder Racks
- Full Size Server Cabinets
- Hubbell Labeling System



Converged Voice-Data-Video

- USOC and Cat 5e Jacks
- Infin-e-Station™ Fixed Plates
- StyleLine Plate/Frames
- Quad 106 Frames



Personal and Facility Safety

- TredTrak®
- TrukTrak®
- AccessTrak®
- Mechanical Interlock Enclosure
- Ground Fault Receptacles
- GFCI Portables
- SafetyShroud Twist-Lock®
- Cable Protectors

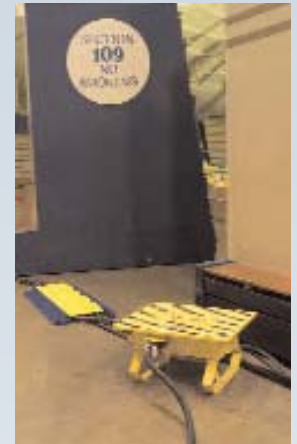
Press Rooms

Converged Voice-Data-Video
Cable Management/Organization
Power and Data Delivery Systems
Power Quality/Protection



Food Service Concessions

Demanding Environments
Power Connections
Personal and Facility Safety
Power and Data Delivery Systems



Power and Data Delivery Systems

- Spider® Temporary Power Box
- Kellems® Grips
- Liquid Tight Conduit Fittings
- Raceway
- Floor Boxes



Power Quality/Protection

- SpikeShield® Surge Strips
- Surge Receptacles
- Isolated Ground Receptacles
- SpikeShield® Panel Surge
- Safety Shroud Twist-Lock® Plugs/Connectors



Power Connections

- Straight Blade Plugs, Connectors and Receptacles
- Twist-Lock® Plugs, Connectors and Receptacles
- Single Pole Devices
- Pin and Sleeve Plugs, Connectors and Receptacles
- Manual Motor Controllers
- Disconnect Switches
- Locking Switches

Product Key:

- Hubbell Premise Wiring
- Hubbell Wiring Device-Kellems

Hubbell gives students all the safety and security of home

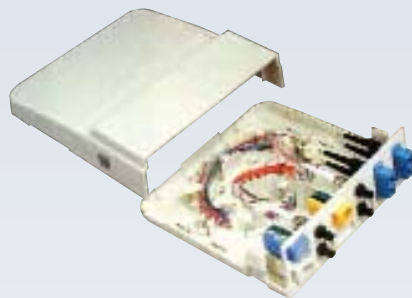
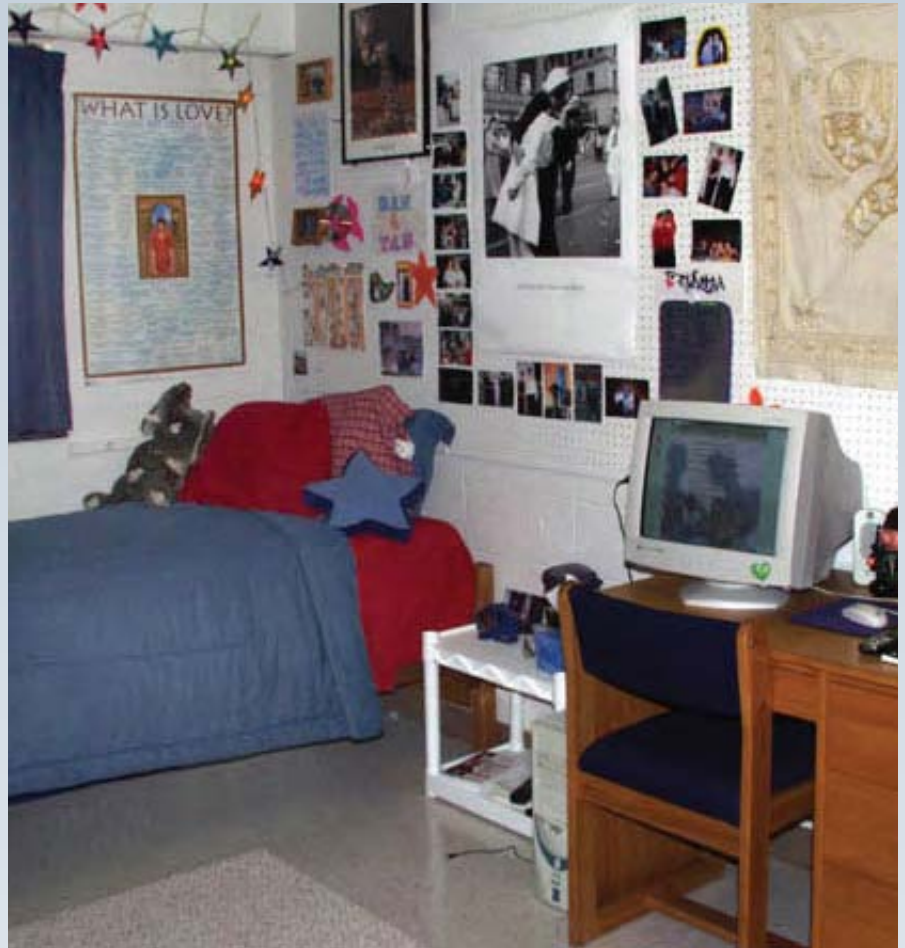


Bringing technology and well-being to student life

Today's students require voice and data connections for tougher workloads and guaranteed safety for the feeling of home. From wireless access in the common rooms to power connections in kitchenettes and bathrooms, Hubbell products provide a safe, reliable environment while delivering the technology students need.

Rooms/Apartments

Converged Voice-Data-Video
Demanding Environments
Power and Data Delivery Systems
Power Connections
Personal and Facility Safety



Open Office

- Xcelerator™ C5e Jacks
- Infin-e-Station™ Plates
- MediaTrak Raceway
- Wireless Access Enclosures



Converged Voice, Data and Video

- Xcelerator™ C5e and C6 Jacks
- Snap Fit™ Connectors
- Infin-e-Station™ Modular Plates
- Infin-e-Station™ Surface Boxes
- Patch Cords
- Infin-e-Station™ Wall Phone Plates



Power Connections

- Straight Blade Plugs, Connectors and Receptacles
- Wall Switches
- Lock Switches
- Wall Plates

Common Rooms

Converged Voice-Data-Video
Demanding Environments

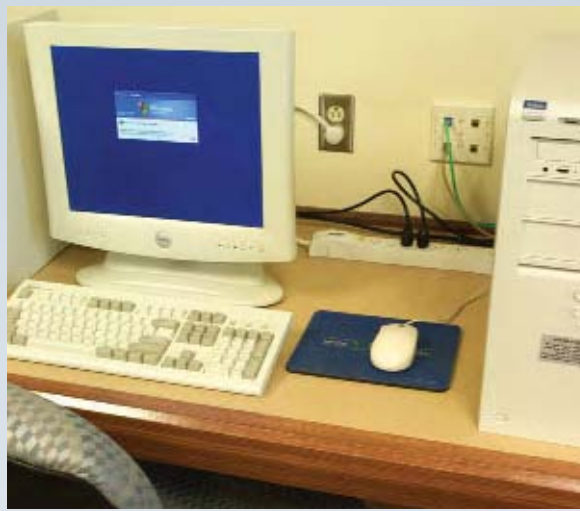
Shower Facilities

Personal and Facility Safety



Kitchenette

Personal and Facility Safety
Power Connections



Power and Data Delivery Systems

- Raceway
- Floor Boxes



Power Quality/Protection

- SpikeShield® Surge Strips
- Surge Receptacles
- Isolated Ground Receptacles



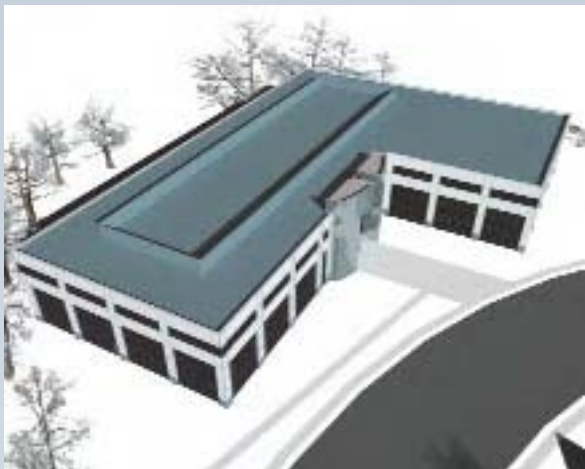
Personal and Facility Safety

- Ground Fault Receptacles
- AccessTrak®
- Mechanical Interlock Enclosure
- Tamper Resistant Wall Plate

Product Key:

- Hubbell Premise Wiring
- Hubbell Wiring Device-Kellems

Hubbell delivers all the performance your labs will ever need



Experimenting and collecting data is easier and safer

From extended bandwidth requirements in computer labs to watertight corrosion resistance in laboratories, Hubbell has the solution to meet the requirements of your facility's demanding environments. Hubbell products support high-speed, error-free network transmission, cable and power delivery management and facility safety for high-performance in the lab.

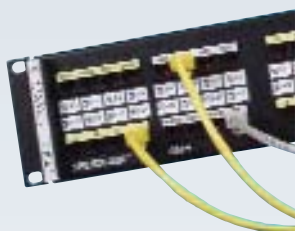
Science Laboratory

- Demanding Environments
- Converged Voice-Data-Video
- Power and Data Delivery Systems
- Personal and Facility Safety



Demanding Environments

- HiImpact Jacks
- HiImpact Plates
- HiImpact REBox® Enclosures
- Watertight Safety Shroud Twist-Lock®
- Watertight Pin and Sleeve



Converged Voice, Data Video

- Xcelerator™ C5e and C6 Jacks
- OPTICHANNEL™ Fiber Adapters and Connectors
- Infin-e-Station™ Modular Plates
- NEXTSPEED® C6 Panel



Extended Bandwidth

- OPTICHANNEL™ Fiber Enclosures
- OPTICHANNEL™ Fiber Connectors
- 110 Blocks and Patch Cords



Cable Management/ Organization

- NEXTFRAME® Racks
- NEXTFRAME® Wall Mount Cabinets
- NEXTFRAME® Cable Management Organizers
- NEXTFRAME® Grounding and Bonding

Computer/IT Laboratory

Extended Bandwidth
Converged Voice-Data-Video
Cable Management/Organization

Engineering Laboratory

Demanding Environments
Extended Bandwidth
Converged Voice-Data-Video
Power and Data Delivery Systems

Data Centers

Extended Bandwidth
Cable Management/Organization
Power Quality/Protection



Personal and Facility Safety

- Cord Reels
- FloorTrak®
- AccessTrak®
- Mechanical Interlock Enclosure
- Ground Fault Receptacles
- GFCI Portables
- Lock-Out Devices



Power and Data Delivery Systems

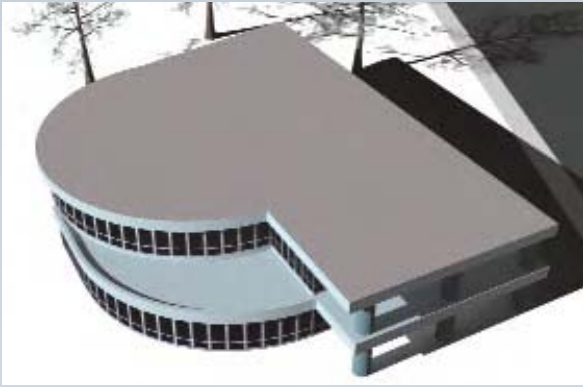
- Fire-Rated Poke-Throughs
- Raceway
- Floor Boxes
- Kellems® Grips
- Liquid Tight Conduit Fittings



Power Quality/Protection

- SpikeShield® Surge Strips
- Surge Receptacles
- Isolated Ground Receptacles

Put Hubbell performance where the action is



Fostering interaction with modern day solutions

With multimedia in auditoriums, wireless access in gathering spaces, and reliable connections for cafeterias and point-of-sale, student populated areas demand the modern day solutions that only Hubbell can provide. Whether it's cutting costs with lighting control or maintaining public safety, Hubbell performs.

Auditorium

- Converged Voice-Data-Video
- Cable Management/Organization
- Personal and Facility Safety
- Power and Data Delivery Systems

Kitchen/Cafeteria

- Demanding Environments
- Converged Voice-Data-Video
- Power and Data Delivery Systems
- Power Connections
- Personal and Facility Safety



Converged Voice-Data-Video

- Xcelerator™ C5e and C6 Jacks
- Snap Fit™ Connectors
- Infin-e-Station™ Modular Plates
- Multimedia Panel
- Patch Cords



Demanding Environments

- HiImpact Jacks
- HiImpact Plates
- Watertight Safety Shroud Twist-Lock®
- Watertight Pin and Sleeve
- Tamper Resistant Plates



Cable Management/Organization

- Hubbell Labeling System
- REBox® Enclosures
- QuadCab® Wall Mount Cabinets
- NEXTFRAME® Racks



Open Office

- Xcelerator™ C5e Jacks
- Infin-e-Station™ Plates
- Raceway
- Wireless Access Enclosures
- ZoBOX™ Zone Boxes

Product Key:

- Hubbell Premise Wiring
- Hubbell Wiring Device-Kellems

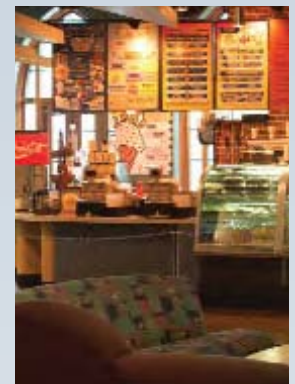
Event Center

Converged Voice-Data-Video
 Demanding Environments
 Power and Data Delivery Systems



Stores/Shops

Converged Voice-Data-Video
 Power and Data Delivery Systems
 Power Connections



Broadcast Center

Converged Voice-Data-Video
 Cable Management/Organization
 Power Connections
 Power Quality/Protection



Power Connections

- Straight Blade Plugs, Connectors and Receptacles
- Twist-Lock® Plugs, Connectors and Receptacles
- Manual Motor Controllers
- Single Pole Devices



Personal and Facility Safety

- Safety Shroud Twist-Lock®
- TredTrak®
- TrukTrak®
- FloorTrak®
- AccessTrak®
- Mechanical Interlock Enclosure
- Ground Fault Receptacles
- GFCI Portables



Energy Efficiency

- H-MOSS® Occupancy Sensors
 - Wall Switch Sensors
 - Wall-mounted Sensors
 - Ceiling Sensors



Power and Data Delivery Systems

- Fire-Rated Poke-Throughs
- Raceway
- Floor Boxes

Hubbell system matrix for the education market

This matrix summarizes applications by building, detailed throughout the brochure. Reference Hubbell educational system line cards for an overview of Hubbell product solutions by major application.

	Converged Voice, Data and Video	Cable Management/Organization	Open Office	Extended Bandwidth	Demanding Environments	Personal and Facility Safety	Enhanced Energy Efficiency	Power Quality/Protection	Power Connection
Academic Building									
Classrooms	●	●				■	■	■	■
Lecture halls	●		●			■	■		■
Library	●	●	●			■	■		■
Temporary Classrooms	●	●		●	●	■	■		■
Administration Building									
Administration Office	●	●				■	■	■	■
Conference Room	●	●				■	■		■
Entrance Facilities	●	●		●		■		■	■
Boiler Room	●				■	■			■
Telecom Room	●	●		●		■		■	■
Athletic Facilities									
Stadium	●	●		●	■	■			■
Arena	●	●			■	■			■
Press Rooms	●	●			■	■			■
Food Service Concessions	●				■	■	■		■
Dormitories									
Rooms/Apartments	●				■	■	■		■
Common Rooms	●				●			■	■
Kitchenette						■			■
Shower Facilities						■			■
Science and Research Building									
Science Laboratory	●	●			■	■	■		■
IT Laboratory	●	●		●		■		■	■
Engineering Laboratory	●			●	●	■	■		■
Data Centers	●	●		●		■	■		■
Student Union									
Auditorium	●	●				■			■
Kitchen/Cafeteria	●	●			■	■	■		■
Event Center	●	●		●	■	■	■		■
Stores/Shops	●					■			■
Broadcast Center	●	●		●		■		■	■

- Hubbell Premise Wiring
- Hubbell Wiring Device-Kellems

Find out more about your Hubbell Education Team.



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H5143 12/03



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