

FIRE SHIELD[®]
Prevents Electrical Fires

Can You Prevent University Cord Fires?



TBC[®]

There Is A Cord Fire Every Six Minutes - Plug Into Electrical Safety With Fire Shield®

The Facts Regarding Electrical Fires

Based on estimates by the US Consumer Product Safety Commission (CPSC), there are 155,900 electrical fires attended annually by the fire service in the US, resulting in nearly:

- ▶ \$1.68 billion in property damage
- ▶ 6,810 injuries
- ▶ 800 deaths

Each year across America, college and university students, faculty and staff experience a growing number of fire related emergencies. Annually, there are approximately 1,600 documented fires in college dormitories and Greek housing. In fact, according to the National Association of State Fire Marshals (NASFM), fire fighters respond to fires in college dormitories four times a day and numerous fires go unreported. This number does not include the significant amount of fires in other areas such as classrooms, labs and off-campus housing.

CPSC statistics indicate that 50% of all electrical fires, attended and unattended by the fire service, were caused by faulty flexible power cords - extension cords, surge strips, and appliance cords.

Flexible cords fail in a variety of ways, including:

- ▶ Pinched, Crimped or Frayed Cords
- ▶ Overheated/Overloaded Cords
- ▶ Application-related Damage (i.e. Room air conditioners, heaters, tools, vacuums, etc.)
- ▶ Frequent Movement of Appliance
- ▶ Normal Aging and Wear

Fire Shield Extension Cords and Surge Strips are the Solution



TRC, the leader in ground fault sensing technology, developed Fire Shield's unique patented design to provide built-in fire protection in a power cord set. This technology is available as an extension cord and a variety of surge strips. It is also being utilized by many portable room air conditioner manufacturers.

The Fire Shield Surge Strips are the only surge strips in the world that can protect against all of the following:

- ▶ Cord Fires
- ▶ Overloads
- ▶ Surges

Standard ground fault, surge and overload devices alone cannot prevent cord fires. The patented, UL approved Fire Shield is the only cord set in the world that provides cord fire protection. Fire Shield monitors the leakage current, thus sensing any damage to the cord and shuts off the power safely in 25/1000ths of a second.

Using Fire Shield:

- ▶ Protects electrical equipment from damaging power surges and spikes.
- ▶ Shuts off the electricity before a fire can start if it detects damage to its power cord.

The University Connection. Are you connected?

Due to the number of fires on campuses nationwide, most colleges and universities have systems in place to detect and control fires after they start, such as smoke detectors and sprinkler systems. Fire Shield Extension Cords and Surge Strips can actually prevent an electrical fire from occurring. University fire ramifications include:

- ▶ 99 students died in on and off campus fires between 2000 and 2009*
- ▶ Fires cause over \$2 million in losses to campuses every year*
- ▶ Loss of Valuable Research Data
- ▶ Down Time
- ▶ Negative Publicity
- ▶ Students Leaving Due to Trauma
- ▶ Reduced Future Enrollments
- ▶ Increased Settlement Fees, Legal Fees and Insurance Premiums
- ▶ Loss of Grant Funding

*According to The Center for Campus Fire Safety

Fire Shield University Applications Housing

Electrical power is required for many of the personal items students bring to college. However, a typical college student's room contains too few outlets to handle multiple computers, stereos, televisions and other electronics. A major safety concern is the overloading of undersized extension cords and power strips that can result in a deadly fire. Fire Shield Surge Strips and Extension Cords provide optimum electrical protection for students, equipment and fellow residents. In areas such as:

- ▶ Residence Halls
- ▶ Off-Campus Housing
- ▶ Fraternities
- ▶ Sororities

Campus Bookstores

Campus bookstores can aid in campus fire safety by having Fire Shield Surge Strips and Extension Cords available to all students, faculty and staff. TRC offers a variety of displays and merchandisers that highlight the safety advantages of these innovative products. We also have an active program aimed at educating students and parents about the need for electrical safety. These efforts will help drive sales at the store level.

Research Labs

Many university labs contain irreplaceable data and expensive equipment. Avoid costly down time and protect your valuable research data and equipment by using Fire Shield Surge Strips and Extension Cords in university labs. This new technology is already being used as a standard at safety minded universities who favor prevention.

Facilities

Use of Fire Shield Surge Strips and Extension Cords will provide a safer environment for faculty, students, and maintenance personnel. Universities will significantly reduce their liability and maintain a favorable public image by reducing the risk of fire, shock and electrocution at campus facilities.

- ▶ Classrooms
- ▶ Offices
- ▶ Hospitals
- ▶ Mission Critical Facilities
- ▶ Libraries
- ▶ Data Centers
- ▶ Daycare Centers





First Alert Fire Shield Protected Surge Strips

Model	Description	Volts/Amps
90802 - 3 ft. 90885 - 12 ft.	Cord Fire (LCDI) Protected Indoor Power Strip with 6 Outlets, 15A Breaker 3 Wire, White, 1350 Joules	120V/15A
90814	6' Cord Fire (LCDI) Protected Indoor Power Strip Coax/Cable and Phone/Fax/Modem Protection with 8 Outlets, 15A Breaker 3 Wire, White, 3500 Joules	120V/15A



First Alert Fire Shield Safety Extension Cords

Model	Description	Volts/Amps
90866	6' Cord Fire Protection (LCDI) with 3 Outlets, 2 Wire, White	120V/13A
90819	9' Cord Fire Protection (LCDI) with 3 Outlets, 3 Wire, White	120V/13A
90820	6' Cord Fire Protection (LCDI) with 1 Outlet, 3 Wire, White For Appliance Applications	120V/13A

TRC is actively involved in the following university and safety associations:

The Center For Campus Fire Safety, National Association of College Stores (NACS), Association of College and University Housing Officers - International (ACUHO-I), Association of Higher Education Facility Officers (APPA), International Association of Campus Fire Safety Officials (IACFSO), National Association of State Fire Marshals (NASFM), National Fire Protection Association (NFPA), National Safety Council (NSC) and Consumer Electronics Association.



Technology Research Corporation

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