

## Extension Cords, Power Strips, Outlets and Adapters

**Purpose of the safety bulletin:** Alert laboratory staff to ensure electrical safety related to extension cords, power strips, outlets and adapters.



**Extension cords** should only be used on a temporary basis; they are not intended as permanent wiring. In the case of having few outlets or many low power equipment you can use a **power strip** (multi-socket) as long as the total load do not exceed the design. In general cords should be in good conditions, not showing signs of excessive wear, fraying or cracked. Have additional outlets installed where you need to connect permanent or high power equipment Please contact [cs.ejr@kaust.edu.sa](mailto:cs.ejr@kaust.edu.sa) for engineering job request in case you need extra outlets.

Do not use plug **adapters** for high power equipment. (>5A). Most market plug adapters available are defective or poorly designed.

[LEM@kaust.edu.sa](mailto:LEM@kaust.edu.sa) will modify any power cord on demand.

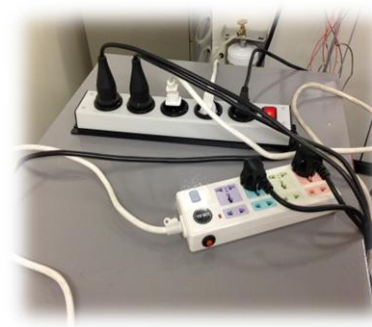


**Electrical Outlets** must not be overloaded and should be protected from possible spills of water or chemicals.

**Floods and water leaks:** Trying to minimize power strips or electrical equipment right on the floor, elevate them at least 1 inch.



Daisy chaining of **extension cords** and/or **power strips** is not allowed since this could overload the system.



Avoid **extension cords** and/or **power strips** to become a tripping hazard. Request cable protectors from the warehouse.

*Please refer to the Electrical Safety Bulletin in Lab Safety Website for further information about approved and safe electrical devices.*

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If you have any questions, contact: [Researchsafety@kaust.edu.sa](mailto:Researchsafety@kaust.edu.sa)