

【職安衛宣導】 ⚠ 延長線使用禁忌一次看

【Occupational Safety and Health Promotion】 ⚠ Essential Precautions for Using Extension Cords at a Glance

⚠ 延長線使用禁忌一次看 ⚠

⊘ 禁止將電線網綁、折疊

延長線在使用中會因電流產生熱能，若將電線網綁或折起，會讓熱聚集、無法散熱，導致絕緣體老化、融化，最後可能引發短路起火。

⊘ 禁止用拉、扯電線方式將插頭拔除

拉扯電線會使內部銅線斷裂、老化，增加短路風險。

👉 正確方式：手握插頭前端拔除。

⊘ 禁止延長線插座堆積灰塵

灰塵若碰到水氣可能導電，產生「積污導電」，有火災風險。

⊘ 禁止高瓦數的電器使用同一個延長線

高瓦數電器包括：烘乾機、電磁爐、冷氣、吹風機、冰箱、烤箱等。

同時使用會超出負載易短路、起火。

👉 建議使用具「過載保護」延長線，可自動斷電避免危險。

⊘ 延長線出現下列狀況時，請停止使用並立即汰換

- 1.插頭鬆動
- 2.電線破損、硬化
- 3.插座焦黑
- 4.明顯發熱
- 5.生綠鏽
- 6.汙垢難清除
- 7.老舊不勘使用

⊘ 禁止手部潮濕碰觸插座或電器

濕手導電性高，容易觸電

👉 應保持手乾再操作

✓ 延長線選購技巧

- 1.要有「商品安全標章」：有標示額定電壓、電流、容量及廠商電話、地址等

- 3. 選有保險絲安全裝置或過負荷保護裝置
- 4. 具自動斷電保護機制的產品
- 5. 可選擇有獨立開關的產品
- 6. 延長線是作臨時性延長範圍使用，非供作固定配線長時間使用

🔥 案例

- 1.[疑電線走火燒民宅！客廳整片焦黑 男租客受困被救出](#)
- 2.[插頭插座卡灰塵 積汙導電恐釀走火](#)
- 3.[疑電線老舊走火！逢甲商圈店鋪火警 看板掉落險砸消防人員](#)
- 4.[避免電線走火 延長線勿超出負荷](#)

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⚠️ Essential Precautions for Using Extension Cords at a Glance ⚠️

🚫 Never Bind or Fold Electrical Cords

Extension cords generate heat during use due to electrical current. Binding or folding the cords traps heat, preventing proper dissipation, which accelerates insulation aging and melting, potentially causing short circuits and fires.

🚫 Never Remove Plugs by Pulling on the Cord

Pulling on the cord can cause internal copper wires to break or deteriorate, increasing the risk of short circuits.

👉 Proper Method: Grasp the plug firmly and pull it out.

🚫 Never Allow Dust to Accumulate on Extension Cord Sockets

Dust combined with moisture can conduct electricity, leading to “contaminant conduction” and posing a fire hazard.

🚫 Never Use High-Wattage Appliances on the Same Extension Cord

High-wattage appliances include dryers, induction cookers, air conditioners, hair dryers, refrigerators, ovens, etc.

Using them simultaneously may exceed the load capacity, increasing the risk of short circuits and fires.

👉 It is advisable to use extension cords equipped with “overload protection” that automatically cut off power to prevent hazards.

🚫 If the extension cord exhibits any of the following conditions, cease use immediately and replace it without delay

- 1.Loose plug
- 2.Damaged or hardened wires
- 3.Blackened sockets
- 4.Noticeable overheating

5. Corrosion or discoloration

- 6.Stubborn dirt accumulation
- 7.Excessive aging rendering it unfit for use

⛔ Never Touch Sockets or Appliances with Wet Hands

Wet hands conduct electricity more readily, increasing the risk of electric shock.

👉 Always ensure your hands are dry before operating electrical devices.

✔ Tips for Selecting Extension Cords

- 1.Look for the “Product Safety Mark” : It should indicate rated voltage, current, capacity, as well as manufacturer’ s contact information and address.
- 2. The minimum rated load current should be at least 1500 watts (W) or 15 amperes (A).
- 3. Choose products equipped with fuse safety devices or overload protection mechanisms.
- 4. Opt for products featuring automatic power cut-off protection.
- 5. Consider extension cords with independent switches for added convenience.
- 6. Extension cords are intended for temporary extension of power supply and should not be used as permanent wiring solutions for prolonged periods.

🔥 Case Studies

- 1.[Suspected Electrical Fire Destroys Residence! Living Room Charred, Male Tenant Rescued](#)
- 2.[Dust Accumulation in Plugs and Sockets May Cause Contaminant Conduction and Fire](#)
- 3.[Suspected Old Wiring Ignites Fire! Fire at Fengjia Commercial District Storefront, Signboard Falls Nearly Striking Firefighters](#)
- 4.[Prevent Electrical Fires by Avoiding Overloading Extension Cords](#)

附件檔案
Attachment Files

- [選購延長線要注意什麼呢.jpg](#)(171 KBytes)

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