



Be Bright

Stay Safe

Out of sight,  
**keep in mind**



**A life can be lost within seconds if you come into contact with electricity.**

**Every year, people are killed or seriously injured when they come into contact with high voltage electricity.**

This can have a far-reaching devastating effect on family, friends and colleagues.

Distractions, working long hours, rushing to get the job done, can all impact on how we work and our safety.

Taking time to plan, being prepared and focusing on the way we work can help keep us safe.

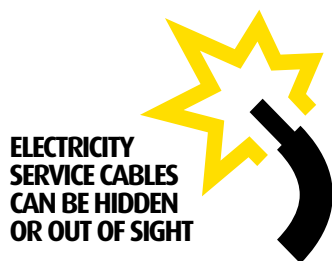
 <p>WOODEN POLES CAN CARRY TELEPHONE AND ELECTRICITY WIRES. <b>NEVER ASSUME THE WIRE IS A TELEPHONE WIRE</b></p>	 <p>LINES CAN BE <b>RE-ENERGISED</b> AT ANY TIME</p>	<p><b>400,000 VOLTS</b></p> <p>ELECTRICITY SYSTEMS CARRY VOLTAGE UP TO 400,000 VOLTS. <b>EVEN 230 VOLTS (DOMESTIC VOLTAGE) CAN BE LETHAL</b></p>	
<p><b>Be Bright</b></p>  <p><b>Stay Safe</b></p>		 <p><b>RUBBER BOOTS WILL NOT PROTECT YOU!</b></p>	
<p><b>OUR NETWORK</b> DISTRIBUTES ELECTRICITY THROUGH UNDERGROUND CABLES, PYLONS, OVERHEAD POWER LINES, SUBSTATIONS AND OTHER EQUIPMENT</p> 			<p>National power cut helpline</p> <p><b>POWER CUT? CALL 105</b></p> <p>OR CALL US 24 HOURS A DAY ON <b>0800 31 63 105</b></p>
<p><b>TAKE NOTICE</b> OF ANY YELLOW 'DANGER OF DEATH' WARNING SIGNS. AND STAY WELL AWAY!</p> 	<p>REMEMBER ELECTRICITY <b>CAN JUMP GAPS</b></p> <p><b>OVERHEAD POWER LINES</b> ARE OFTEN UNINSULATED (BARE)</p>  <p>CARRY OBJECTS AND EQUIPMENT <b>HORIZONTALLY AND AT LOW LEVEL TO THE GROUND</b></p> 	<p>TREES, STRING, ROPES, SUSPENSION LINES, FISHING RODS AND WATER <b>CAN ALL CONDUCT ELECTRICITY</b></p>  <p><b>TOUCHING ANYTHING IN CONTACT WITH ELECTRICAL EQUIPMENT, EVEN THE LOWEST OF VOLTAGES, CAN BE FATAL</b></p> 	

## The electricity network is designed to keep you safe. But how safe are you when you are working?

**UK Power Networks** is the country's biggest electricity distributor, making sure the lights stay on for more than eight million homes and businesses across London, the South East and East of England.

### The safety of our customers and staff is our top priority.

Low voltage electricity service cables enter properties from underground or at roof level. These cables are not always visible. They can be hidden or out of sight. Under floorboards, behind cavity walls, painted over, in ceilings or behind cladding.



## Keep well away - Electricity can kill



### Remember:

- The depth and location of cables and services shown on the plans may have changed because of subsequent site alterations
- Be aware that not all cables and services may be shown on the plans
- Cables do not run in straight lines. Underground cables may be deflected around underground obstacles and can change depth; cables in cavity walls do not always run vertically
- Wear Personal Protective Equipment to minimise the harm of electric shock and burns



## How can we help?

If you work or live in the UK Power Networks area contact us or look on our website. We provide free information and advice about the precautions and safe working practices to be followed when working close to electrical equipment.

Further advice and guidance is available from the Health and Safety Executive (HSE):

**Electricity at Work – Safe Working Practices HSG85**  
**Avoiding Danger from Overhead Power Lines GS6**  
**Avoiding Danger from Underground Services HSG47**

## What to do in an emergency

If a mains electricity cable is damaged:

- **STOP WORK IMMEDIATELY**
- Notify UK Power Networks: Dial 105
- If you damage a cable, stay calm, keep clear, and call for help
- Call the emergency services if anyone is injured or there is a fire. Anyone who has received an electric shock should go to hospital as damage may have occurred to the heart
- Always treat the cable(s) as live even if they are not sparking
- Never remove anything that is stuck or in contact with the cable
- Stay clear - keep everyone away until assistance arrives



To request your FREE vehicle cab stickers visit [www.ukpowernetworks.co.uk/internet/en/safety/](http://www.ukpowernetworks.co.uk/internet/en/safety/)

If you are unsure who your network operator is then please visit [www.energynetworks.org](http://www.energynetworks.org)

**Be Bright Stay Safe**

**You could be in danger when carrying out your everyday trades activities such as digging, drilling, construction and demolition.**

- ⚡ Contact UK Power Networks in advance of the works to obtain relevant cable plans or to request disconnections. The cable plans will only show the indicative route and not the route into the property
- ⚡ Ensure the cable plans are shown to and understood by those on site **BEFORE** starting work
- ⚡ Confirm the cable location by using a Cable Avoidance Tool (CAT)
- ⚡ Complete a risk assessment and ensure it covers electrical hazards
- ⚡ Identify if the electricity service is connected to the property via underground or overhead cables
- ⚡ Look around for anything in the vicinity that would have an electricity service such as street lights, CCTV cameras, meter box. Identify where the cables are
- ⚡ Look for electrical wires, cables and equipment near to where you are going to work and check for warning signs and any other hazards
- ⚡ Identify where it is safe to work. Put up danger notices where there are still live circuits
- ⚡ Make sure everyone on site is aware of the presence and location of electrical cables
- ⚡ Use a cable detector for internal use, designed to detect Alternating Current voltages, studs and metal
- ⚡ Consider using a Residual Current Device (RCD) between the electricity supply and the equipment

For further advice and cable maps visit  
[www.ukpowernetworks.co.uk/internet/en/our-services/](http://www.ukpowernetworks.co.uk/internet/en/our-services/)

NATIONAL POWER CUT HELPLINE

**POWER CUT?  
CALL 105**

ADD THIS NUMBER TO YOUR TELEPHONE CONTACTS LIST



# Out of sight, **keep in mind**

**#bebrightstaysafe**



@UKPowerNetworks



/ukpowernetworks

National power cut helpline

**POWER CUT?  
CALL 105**

Or call us  
24 Hours a day on  
**0800 31 63 105**

For safety advice about overhead power lines,  
disconnections and general enquiries, go to:  
[ukpowernetworks.co.uk/internet/en/our-services](http://ukpowernetworks.co.uk/internet/en/our-services)

To request your **FREE** vehicle cab stickers visit  
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**UK  
Power  
Networks**  
Delivering your electricity