

## Look up look out - Key information

### The electric journey

Power lines criss-cross the country, carrying electricity for trains, factories, our homes, schools and community buildings, and to light our streets. Sometimes these power lines are carried high above the ground, sometimes they're buried under the ground - especially near towns and cities.



Substations are used to change the voltage of the electricity so it reaches homes and businesses at a safe level. Substations carry voltages from 230 volts to 400,000 voltages. Look out for the danger of death signs.

### Overhead power lines

#### Look up, look out

Overhead power lines are often uninsulated (bare) and run across the countryside, supplying local communities with power. The wires can be on wooden poles as well as metal pylons and carry voltages from 230 voltages up to 400,000 volts. Depending on the voltage the wire will be different heights above the ground. They can look like telephone wires, but never assume this is the case. Look out for the Danger of Death signs.



Trees, fishing rods, tent poles, ladders, ropes and water can all conduct electricity. Look Up Look Out when operating machinery. Keep well away and avoid getting too close to the wires.

# Underground cables

## Think before you dig

Underground electricity cables run under our streets and roads, supplying homes, schools and buildings with electricity. The cables can carry voltages from 230 volts to 33,000 volts. People could be in danger when carrying out everyday activities such as digging or putting in fence posts. Tools, such as drills and spades can conduct electricity. People carrying out digging and drilling work should keep well away and find out where the cables are before they start work. Remember, contact with electricity can kill or cause serious injuries.



If you lose your ball in a substation, see damaged equipment or have an emergency situation you can contact your local electricity company by calling **105**.

If you see a hazard always report it to **105**

**Personal protective equipment**

Hard hat/head protection

Eye protection

Safety gloves

High Visibility Clothing



Safety boots and shoes

Overalls