

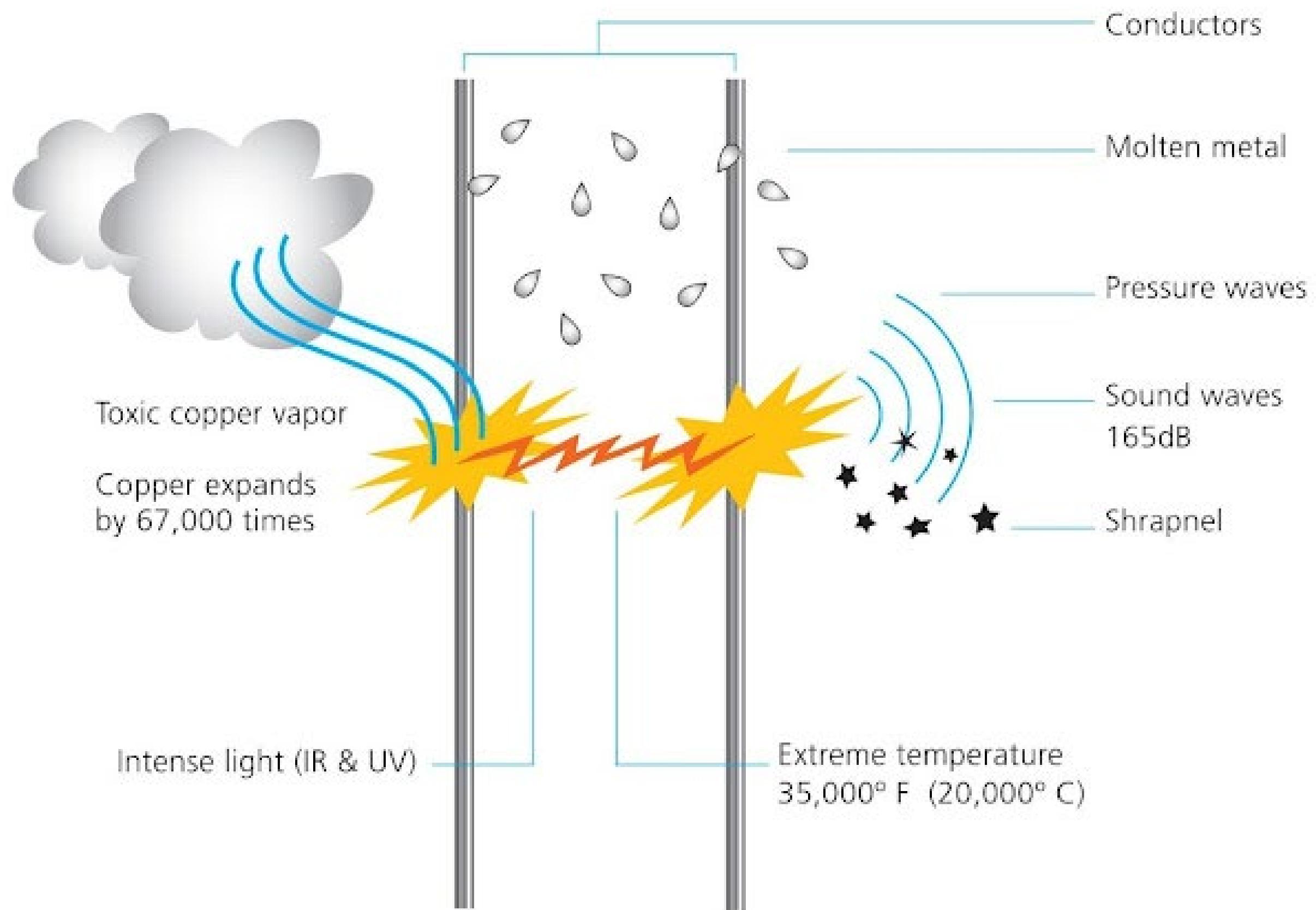
# Arc Flash



*There are only two ways that electricity can be fatal: by electric shock or arc flash.*

## Arc Flash

triggered by a short circuit through the air between energized conductors or between a conductor and ground.



This can happen when the insulation or isolation between conductors fails. It creates a path for electricity to flow in an uncontrolled way. The resulting arc generates intense heat, light, and pressure, and is dangerous for anybody nearby.

## The 10 main causes of arc flash are:

- 1 Carelessness
- 2 Worn or broken conductor insulation
- 3 Exposed live parts
- 4 Loose wire connections
- 5 Improperly maintained switches and circuit breakers
- 6 Obstructed disconnect panels
- 7 Water or liquid near electrical equipment
- 8 High voltage cables
- 9 Static electricity
- 10 Damaged tools and equipment

*Nobody has ever been injured or killed by arc flash when working on de-energized (locked out) equipment. The best way to prevent arc flash is locking out equipment before working on it.*

*“Safety is a core value and business priority”*