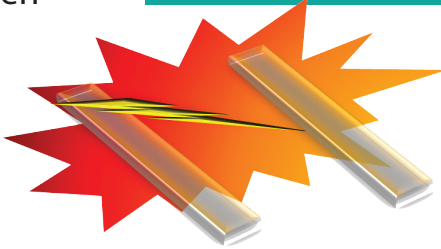




Yaskawa associates who work on or near exposed energized electrical conductors must be NFPA 70E certified. This certification must be renewed every 3 years.

What is an Arc Flash?

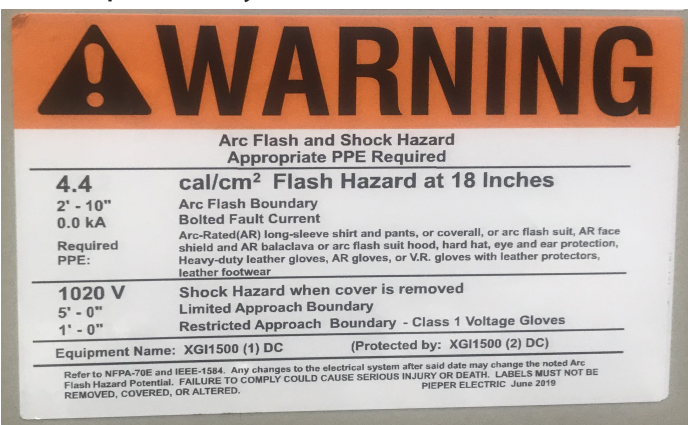
Electrical phenomenon when electric current leaves its intended path and travels through the air to another conductor or to ground.



- Heat from arc flash can reach 35,000° F
- Blast can send objects and molten metal through the air at up to 2,000 lbs per square foot
- Sound blast can exceed 140 decibels, enough to cause perment hearing damage

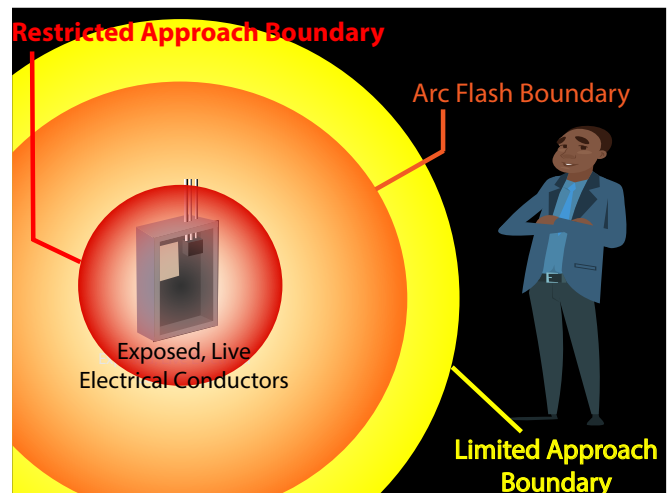
Shock and Arc Flash Boundaries

Yaskawa has completed shock and arc flash analyses to determine the shock and arc flash boundaries at all of our production test stations and in all power labs. Non-qualified associates are not permitted within the limited approach boundary unless accompanied by an NFPA 70E certified associate.



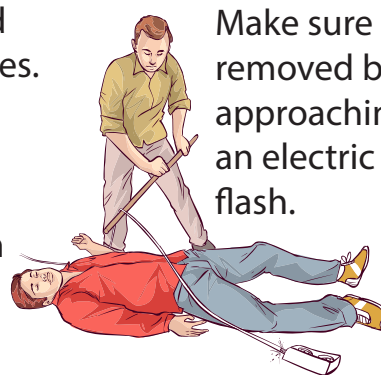
Common Causes of Arc Flashes

- Assembly Defects
 - Miswire
 - Pinched Wire
 - Loose Hardware
 - Installing wrong parts
- Improper or infrequent maintenance
- Material failure or corrosion
- Dropping conductive tools near exposed, energized parts
- Improperly rated test equipment
- Condensation



Ribbon barriers are places beyond the farthest of the NFPA boundaries. **DO NOT CROSS THIS BOUNDARY.**

If you need to talk with a person within the boundary, stand within their field of vision and wait for them to acknowledge you.



Make sure power is removed before approaching the victim of an electric shock or arc flash.