

How to Build a Zap Line

The electrical conductivity of ropes becomes a consideration in environments and applications where ropes may cause safety concerns due to contact with electrical energy. Little data exists to help compare and select ropes that are appropriate for use in such situations. This study begins an exploration into how conductive various static ropes are and compares these to currently available dielectric ropes to provide a preliminary assessment of how rope construction and materials affect a rope's conductivity.