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## **LIGHTNING PROTECTION OF OVERHEAD POWER DISTRIBUTION LINES**

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Distribution lines are often located in areas with high ground flash densities, being therefore subject to lightning-caused power interruptions. This paper presents an overview of the various types of lightning overvoltages that can arise on overhead power distribution networks, as well as typical voltage waveforms. The effectivenesses of the most important methods for mitigating such overvoltages on MY and LV networks are also discussed.