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Experimental developments in steel cables used as horizontal lifelines hit by lightning

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Abstract - This paper presents a study of lightning protection in fall protection systems, used to increase safety in work at height. As these systems are exposed to lightning, this study, through laboratory tests, seeks to verify the best way of protection of system components and quantify how much these components can lose their mechanical capacity if they are hit by lightning.

Keywords - LPS, horizontal lifelines, fall protection systems