

Video Surveillance Recorder Steadied by ITT Enidine Inc. Enidine Wire Rope Isolator Application

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Situation Overview

An installer of two-way radio and video equipment was engaged in a project with the police department in a large metropolitan city. The police department wanted video-recording equipment mounted in the trunks of its patrol cars to monitor activity.

The installer initially hard-mounted the equipment to a support structure inside the trunks of the patrol cars; however, the shock from the road and vibration of the engine caused the video equipment to operate inconsistently and fail prematurely. The sensitive electronic components could not withstand the shock and vibration conditions of the patrol car. The video equipment needed to be replaced frequently due to component failure.

Product Solution

ITT Enidine Inc. recommended four Wire Rope Isolators to be installed, one at each corner of the video recorder. This solution was selected based on performance, size, ease of installation and cost.

The Wire Ropes provided shock and vibration attenuation in all axes. The installer and the police department were very satisfied with the solution, which eliminated nearly all of the video loss. This ensured that the police department would capture the information needed to back up arrests.

Wire Rope Isolators from ITT Enidine Inc. will be used in future installations of audio/video equipment for police departments. The installer is evaluating other mobile applications that use sensitive electronic equipment for integration of wire rope technology.



Application Opportunity

Video equipment (SIC 3651) and other electronics present a huge opportunity for Wire Rope and Compact Rope Isolators from ITT Enidine Inc. As the trend toward the integration of electronics into various vehicles continues, manufacturers will be looking for solutions to ensure the longevity and consistent operation of the equipment, despite its exposure to shock and vibration inputs.