



Are electrical wires routed through cable trays in elevator shafts

The installation of all electrical wiring in hoistways and machine rooms, except as may be provided elsewhere in these regulations, shall comply with CCR, Title 24, Part 3, Article 620.

We shall now take a look at the principle requirements of Article 620, with particular emphasis on wiring requirements for elevator shafts, machine rooms and cars.

The primary purpose of limiting wiring in elevator hoistways and equipment spaces, or rooms, is to protect worker safety. Minimizing the need for untrained personnel (non-elevator ...

Cable assemblies and flexible cords and cables shall be supported in place at intervals that ensure that they will be protected from physical damage. Support shall be in the form of staples, cables ties, ...

It appears the only ways to run the conduits are up through an elevator room or a stairway to the roof. An electrician told me conduits can not run in either space.

If visual observation reveals a cable tray that is completely full and/or over-flowing with cables, chances are that the cable tray is in violation of both the National Electrical Code and OSHA requirements.

The connection between the stationary building and the moving elevator car is achieved via traveling cables. Understanding NEC Article 620 means knowing that these traveling cables must ...

Generally, conductors and cables in or on an elevator or in the hoistway (other than traveling cables) must be installed in rigid metal conduit, intermediate metal conduit, electrical metallic tubing, rigid ...

Cables and conductors must be secured to the cable tray at intervals according to installation instructions. For non-horizontal runs, cables should be fastened securely to transverse ...

Electrical wiring, raceways, and cables associated with elevators and dumbwaiters are allowed in hoistways, machine rooms, and control spaces for various functions, including signaling, ...



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