

Installation of Low Voltage Systems



Village of Hoffman Estates

Code Enforcement
1900 Hassell Road
Hoffman Estates, IL 60169
(847) 781-2631
www.hoffmanestates.org/permits

Permit Procedure:

- Complete and sign a *Building Permit Application*.
- All contractors must be registered, licensed and bonded accordingly.
- Provide copy of contract or complete detailed *Scope of Work* and the plan.

Wiring Requirements:

- All low voltage conductors shall be installed in a neat and workmanlike manner and shall not block access to equipment or ceiling areas. All conductors shall be bundled and run perpendicular to the building walls.
- Cables shall be supported from the building structure only, and shall be secured with wraps, bridle rings or approved hangers in a manner that prevents loose or sagging wires. Electrical and plumbing pipes, sheet metal ducts, fire suppression pipes, roof decking, etc. shall not be used to support wiring.
- All cables shall be installed in conduit in concealed spaces (walls and inaccessible ceilings) in a manner so that wire may be replaced.
- Cable installed in plenums shall be type CMP cable or be CMR, CMG, CM or CMX cable installed in plenum approved communications raceway and secured with approved straps (smoke developed index of 25 and flame spread rating of 50). Up to 4 feet of CMP may be run through ducts used for environmental air.
- Remove abandoned cables. Tag future use cables.
- Fire-stop penetrations made in fire-rated walls, floors, and ceilings.
- Communications cables installed within buildings must be listed, unless the length of the cable from its point of entrance does not exceed 50 ft.
- In structures with Intersystem Bonding Termination (IBT). The bonding conductor for the primary protector and the metallic sheath of communications cable must terminate to the IBT.

Inspection:

- When completed, a final inspection is required.
 - Call Code Enforcement at (847) 781-2631 to schedule an appointment.
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