



NYC Buildings Department
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Technical

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Purpose: This document clarifies the protection requirements for enclosing wiring used in smoke control systems.

Related Code/Zoning Section(s):

BC 909.12.1	2011 NYC Electrical Code
MC 513.12.1	EC Article 760

Subject(s): Smoke control system, wiring; Smoke control system, fire alarm wiring; Smoke control system, fire alarm cable; Fire alarm cable, smoke control system; Wiring, raceways ; Fire alarm, wiring

For wiring used in smoke control systems, sections BC 909.12.1 and MC 513.12.1 require that regardless of voltage, such wiring shall be fully enclosed within continuous raceways.

For the purpose of smoke control system wiring, in accordance with Section 760.179(D) of the 2011 NYC Electrical Code, the Department shall interpret that the installation of Type FPLP power-limited fire alarm cable, also known as "New York City Certified Fire Alarm Cable", as acceptable without running such wiring in raceways. Such fire alarm cable shall be in full compliance with section 760.179(D) of the 2011 NYC Electrical Code.

However, where smoke control system wiring is installed in mechanical rooms, elevator rooms, garages, and loading docks, such wiring remains subject to the protection requirements of sections 760.52 and 760.131 of the 2011 NYC Electrical Code.