



NYC Buildings Department
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BUILDINGS BULLETIN 2011-012

Technical

Supersedes: None

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Issuance Date: April 21, 2011

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

Related Code/Zoning Section(s):

BC 909.12.1	1 RCNY 4000-06	AC 28-103.3
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 NYC Electrical Code (as modified by 1 RCNY 4000-06) and section AC 28-103.3, 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”, be deemed an equally safe alternative without running such wiring in raceways. Such fire alarm cable shall be in full compliance with section 760.179(D) of the NYC Electrical Code as modified by 1 RCNY 4000-06.

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 NYC Electrical Code as modified by 1 RCNY 4000-06.