

THE CITY OF NEW YORK
HOUSING AND DEVELOPMENT ADMINISTRATION
DEPARTMENT OF BUILDINGS

DIRECTIVE #9 of 1975

DEPARTMENTAL MEMORANDUM

DATE: August 28, 1975

TO: Borough Superintendents
FROM: Thomas V. Burke, P.E., Director of Operations
SUBJECT: Local Law #5/73 and Wire Insulation

The following wire insulations are to be acceptable for use where teflon, or its equivalent, is specified in Local Law #5/73.

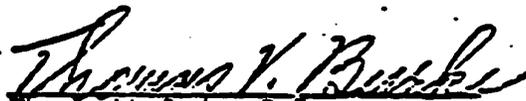
1. Teflon insulated copper conductors - single or twisted pairs, shielded pairs or unshielded pairs made into a cable. These conductors to be made into a cable, covered with a fibreglass woven overwrap and an outer jacket of minimum 25 Mil Teflon. This outer jacket to be colored red and identified "For Fire Alarm Service". Rated for UL 1330 style.
2. Teflon insulated copper conductors - single end or twisted pairs without further overwrap shall be installed in existing or new approved metallic raceways. The insulation shall conform to Mil. Spec. WI6578 Type KK. minimum size wire gauge is #16 Awg. The fill of conduit or E.M.T. shall conform to the N.Y.C. Electrical Code Article 5-530-47.0 Table 2.
3. Silicone rubber conductors with a glass braid overwrap in cable form and a suitable outer jacket of Silicone Rubber colored red and marked "For Fire Alarm Service". This cable is to be constructed to UL 1330 style characteristics, i.e., 600V, breakdown test, etc., and be approved for use.
4. When designed for elevator interlock use, Silicone Rubber wire will be designated "SF-2 Silicone Rubber, with a glass braid", and shall be approved by the Bureau of Gas and Electricity. SF-2 Silicone Rubber with a glass braid shall be acceptable in addition to the conductors called for in Section B30-166.0 and conductor size shall conform to the requirements of Article 22 of the N.Y.C. Electrical Code.

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5. When installing a cable system without a metallic raceway, approved non-metallic connectors shall be used where entering or terminating in a metal box or cabinet.

6. When installing single conductors or twisted pairs in a metal raceway, the conductors shall have a 6" sleeve or tape applied over the conductors grouped into a cable where visible at a pull box or termination cabinet. The tape or sleeve shall be heat shrinkable for a close fit and be red and marked "For Fire Alarm Service" in a contrasting color.

The wire insulations specified above are acceptable to the Bureau of Gas and Electricity and the Fire Department as well as to the Department of Buildings.



Thomas V. Burke, F.E.
Director of Operations

TVB:JWS:ASR

cc: Comm. Walsh
Dep. Comm. Jenkins
Asst. Comm. Parascandola
Executive Staff
Fire Department
Industry