



March 14, 2022

I-22-02

Timothy Mikloiche
Town of West Hartford
50 South Main Street Room 208
West Hartford, CT 06107

Email: TMikloiche@WestHartfordCT.gov

Request for Formal Interpretation of the 2018 Connecticut State Building Code

Mr. Mikloiche,

You have requested a formal interpretation related to section 334.40(B) the 2017 National Electrical Code portion of the 2018 Connecticut State Building Code which states.

(B) Devices of Insulating Material. Self-contained switches, self-contained receptacles, and nonmetallic-sheathed cable interconnector devices of insulating material that are listed shall be permitted to be used without boxes in exposed cable wiring and for repair wiring in existing buildings where the cable is concealed. Openings in such devices shall form a close fit around the outer covering of the cable, and the device shall fully enclose the part of the cable from which any part of the covering has been removed. Where connections to conductors are by binding-screw terminals, there shall be available as many terminals as conductors.

Question #1:

In the case where a piece of 90d NM cable is added for the installation of a new lighting fixture, is this replacement considered a "repair" as referenced in section 334.80, therefore allowing a device such as a NM cable interconnector device to be utilized to connect the home's existing NM cable to the new light fixture with a new piece of NM cable? The new piece of NM cable is typically 18 inches to 6 feet in length.

Answer #1:

Yes, the replacement, with the added higher temperature cable, would be considered a repair under article 334.40 (B) and a listed NM cable connector could be used.

Sincerely,

A handwritten signature in blue ink that reads "Joseph V. Cassidy".

Joseph V. Cassidy, P.E.
State Building Inspector