



CT versus Non-CT Cables: Do you really know what cable you are buying?

BACKGROUND

There are many building wire installations where single conductors, such as XHHW-2 are used. The NEC (National Electrical Code) Article 392 recognizes single conductor cables for use in cable trays where the conductor is marked “CT” or more commonly, “FOR CT USE”. This marking is OPTIONAL in both UL 44 and UL 83.

Not all manufacturers offer XHHW with the CT marking and many distributors and contractors assume all XHHW is the same, however, it is not.

REQUIREMENTS

There are a few requirements that the single conductor must satisfy in order to be marked for use in cable tray:

1. The single conductor must be a circuit conductor sized 1/0 AWG or larger, or an equipment grounding conductor sized 4 AWG or larger; and
2. Flame tested using the vertical-tray flame test (“Method 1 – vertical tray” in UL 2556), or the FT4 vertical-tray flame test (“Method 2 – FT4” in UL 2556).




CLASSIC WIRE Low Friction 400 KCMIL AA-8000 COMPACT AL CDR TYPE XHHW-2 600V/1000V SR FT2 FOR CT USE





All Classic Wire XHHW-2, sized 1/0 AWG and larger, are marked “FOR CT USE”


IF YOUR PROJECT REQUIRES CT MARKED CABLE, BE SURE TO ASK THE SUPPLIER IF IT IS!

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