



TECHNICAL SERVICES DEPARTMENT

BULLETIN

No. 100
April 2017
Rev. January 2021

FLEXIBLE METAL CONDUIT (FMC) AND LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC) NATIONALLY RECOGNIZED TESTING LABORATORIES

The National Electrical Code (NEC) requires FMC and associated fittings to be listed per 348.6, and LFMC and associated fittings to be listed per 350.6. Annex A of the NEC in turn lists UL 1 as the Safety Standard for Flexible Metal Conduit and UL 360 as the Safety Standard for Liquidtight Flexible Metal Conduit. The purpose of this Bulletin is to identify those Nationally Recognized Testing Laboratories that provide listings for FMC and LFMC products.

OSHA recognizes third party organizations that provide testing for safety and certification that are acknowledged throughout the United States. These third-party organizations are referred to as Nationally Recognized Testing Laboratories (NRTL). Products listed by a NRTL will be marked with the NRTL certification mark. Users of FMC and LFMC and their associated fittings know whether the product meets specified safety standards by the presence of this NRTL certification mark.

The list of all NRTL organizations currently recognized by OSHA can be found at <https://www.osha.gov/dts/otpca/nrtl/nrtllist.html>, including those capable of listing FMC and LFMC.

In the case of FMC, certification is based on ANSI/UL 1, *Flexible Metal Conduit*. In the case of LFMC, certification is based on ANSI/UL 360, *Liquidtight Flexible Metal Conduit*.

All Nationally Recognized Testing Laboratories must be able to test and verify that a product meets the requirements stated in the product safety standards. Furthermore, after certification the NRTL monitors the manufacturer, the product, the marketplace, and the use of the NRTL certification mark. It is appropriate for NRTL listed and marked FMC and LFMC products to be acceptable for installation and use per the National Electrical Code (NEC).

Distribution List:

Standards and Conformity Assessment Policy Committee
Codes and Standards Committee
NEMA Operations Department

Disclaimer

The standards or guidelines presented in a NEMA standards publication are considered technically sound at the time they are approved for publication. They are not a substitute for a product seller's or user's own judgment with respect to the particular product referenced in the standard or guideline, and NEMA does not undertake to guarantee the performance of any individual manufacturer's products by virtue of this standard or guide. Thus, NEMA expressly disclaims any responsibility for damages arising from the use, application, or reliance by others on the information contained in these standards or guidelines.