



WIRE AND CABLE

UL announces the publication of UL 504, the Outline of Investigation for Mineral Insulated (MI) Cable

The 2017 edition of NFPA 70, the National Electrical Code was revised to indicate that Mineral Insulated (MI) cables need to be listed; “ 332.6 Listing Requirements. Type MI cable and associated fittings shall be listed”. UL 504 will be used to list/certify cables.

MI cable consists of one or more solid copper conductors insulated with highly compressed magnesium oxide and enclosed in a continuous copper or alloy steel sheath, with or without a nonmetallic jacket.

Cables rated 600 V may be composed of 16 AWG to 500 kcmil single conductor, 16 to 4 AWG two and three conductor, 16 to 6 AWG four conductor, and 16 to 10 AWG seven conductor constructions. Cables rated 300 V may be composed of two, three, four and seven conductor, sizes 18 to 16 AWG, for use on signaling circuits.

The copper sheath is suitable as an equipment grounding conductor. For cable with alloy steel outer sheath, one of the insulated conductors is to be used for equipment grounding.

Why Work with UL

- Gain recognition through UL's trusted testing and certification service
- Utilize UL's expert test technicians and facilities
- Available option to integrate with other global testing and certification requirements
- MI cables that have been certified by UL can be easily located in UL's searchable Online Certifications Directory (www.ul.com/database). Installers from around the globe who seek certified MI cables can search for local suppliers.
- Help Ensure compliance and reduce liability and risk to all stakeholders in the supply chain.
- UL works hard to help combat counterfeit products through our valuable Anti-Counterfeiting Program.



Please contact UL at Susan.L.Stene@ul.com for additional information. To apply for MI cable certification, please visit www.UL.com/gmacontact to find a UL representative in your region.