



ANSI C80.6-2018

*American National Standard for
Electrical Intermediate Metal Conduit*

Secretariat:

National Electrical Manufacturers Association

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American National Standards Institute, Inc.

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Foreword (This Foreword is not part of American National Standard C80.6-2018)

This standard was developed by the Accredited Standards Committee on Raceways for Electrical Wiring Systems, ASC C80. The objective of the committee is to produce a comprehensive specification that would establish uniform dimensions and standard construction requirements for Electrical Steel Metal Conduit, Electrical Metallic Tubing, Electrical Intermediate Metal Conduit and Electrical Rigid Aluminum Conduit raceway products and their associated components.

The standard was originally approved in 1986 and revised in 1994 and 2005.

Suggestions for improvement of this standard will be welcomed. They should be sent to:

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This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee on Raceways for Electrical Wiring Systems, C80. Committee approval of the standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, the C80 Committee had the following members:

Jay Burris, Chairman
Raymond Horner, Vice-Chairman
Muhammad Ali, Secretary

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Aluminum Association, Inc.
Emerson Automation Solutions - Appleton Group
International Association of Electrical Inspectors
International Brotherhood of Electrical Workers
National Electrical Contractors Association
Republic Conduit, a Nucor Company
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1 Scope

This standard covers the requirements for steel electrical intermediate metal conduit for use as a raceway for wires or cables of an electrical system. Finished conduit is produced in nominal 10 ft. (3.05 m) lengths, threaded on each end with one coupling attached. It is protected on the exterior surface with a metallic zinc coating or an alternate corrosion protection coating (See UL 1242 for alternate corrosion-resistant coating(s) requirements) and on the interior surface with a zinc or organic coating.

This standard also covers conduit couplings, elbows, and conduit lengths other than 10 ft. (3.05 m). Properly assembled systems of conduit, couplings, elbows, and nipples manufactured in accordance with this standard, and other identified fittings, provide for the electrical continuity required of an equipment grounding conductor.