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*Electrical and Electronic Ethylene-Propylene Diene Elastomer (EPDM) Insulated
Hook-Up Wire, Types EP (Rated 125°C; 600 V) and EPD (Rated 125°C; 5000 V)*

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Foreword

This Standards Publication was developed by the NEMA High Performance Wire and Cable Section to define hook-up cables using low smoke and low- or zero-halogen insulation materials that could be used as a possible alternative to PVC insulated cables for applications requiring these types of characteristics.

In the preparation of this Standards Publication, input of users and other interested parties has been considered. Inquiries, comments, and proposed or recommended revisions should be submitted to the concerned NEMA product Subdivision by contacting:

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This Standards publication was developed by the NEMA High Performance Wire and Cable Section Aerospace Committee. Section approval of the Standard does not necessarily imply that all section members voted for its approval or participated in its development. At the time it was approved, the section was composed of the following members:

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Section 1 General

1.1 Scope

This Standards Publication covers specific requirements for Ethylene-Propylene Diene Elastomer (EPDM) insulated solid and stranded wire, designed to the internal wiring of high-reliability electrical and electronic equipment. It addresses 600 V (Type EP) and 5000 V (Type EPD) wire and permits continuous conductor temperature ratings of -25°C to +125°C with tin-coated conductors. These types of hook-up wire are used when the following requirements are called for:

- a. Moderate temperature resistance
- b. Good flexibility and flex life when stranded conductors are used