

NEMA Standards Publication HP 7-2011 (R2021)

*Electrical and Electronic PVC, PVC/Nylon, and PE/Nylon
105°C Hook-Up Wire, Types B, C, D, BN, CN, and DN (600, 1000, and 3000 V),
and Types J and JN 75°C (600V)*

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FOREWORD

This standard publication was developed by the NEMA High Performance Wire and Cable Section. It was developed to assure that these types of hook-up wire can be procured and that they will meet requirements associated with high reliability commercial electrical and electronic equipment in which it is used. Compliance with provisions of this Standards Publication is strictly voluntary and any certification of compliance is left to the discretion of the buyer and seller.

This Standards Publication was designed as a non-government standard for replacement of the following MIL-W-16878 insulated wire slant sheets: /1 through /3, /10, /17 through /19, and /33.

This Standards Publication was developed by the High Performance Wire and Cable Section of NEMA. 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 standard publication covers specific requirements for PVC, PVC/polyamide, PE, and PE/polyamide insulated stranded wire, designed to the internal wiring of high reliability electrical and electronic equipment. This standards publication addresses 600 volt (Type B, BN, J, and JN), 1000 volt (Type C and CN) and 3000 volt (Type D and DN) wire and permits continuous operating temperature ratings of -55°C up to 105°C (types B, C, D, BN, CN, and DN) or 75°C (types J and JN) with either tin or silver coated conductors.