

NEMA Standards Publication WC 52-2005

*High-Temperature and Electronic Insulated Wire,
Impulse Dielectric Testing*

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Foreword

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

Vice President, Technical Services
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At the time of the reaffirmation of this standard in 2005, the members of the NEMA High Performance Wire and Cable Section were:

AFC Cable Systems	New Bedford, MA
AmerCable	El Dorado, AR
American Insulated Wire Corporation	Pawtucket, RI
Belden CDT, Inc.	Richmond, IN
Berk-Tek a Nexans Company	Elm City, NC
Cable USA, Inc.	Naples, FL
Coleman Cable Inc.	Waukegan, IL
Draka Comteq USA Inc.	Franklin, MA
Fisk Alloy Conductors, Inc.	Hawthorne, NJ
General Cable	Highland Heights, KY
Harbour Industries, Inc.	Shelburne, VT
Judd Wire, Inc.	Turners Falls, MA
Kaneka High-Tech Materials, Inc.	Pasadena, TX
Leoni Wire, Inc.	Chicopee, MA
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Phelps Dodge High Performance Conductors	Inman, SC
Quirk Wire Company, Inc.	West Brookfield, MA
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Rockbestos-Surprenant Cable Corporation	East Granby, CT
Southwire Company	Carrollton, GA
Specialty Cable Corporation	Wallingford, CT
The Okonite Company	Ramsey, NJ
Tyco Electronics/Raychem Wire & Cable	Menlo Park, CA

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National Electrical Manufacturers Association (NEMA) Standard NEMA WC 52, *High Temperature and Electronic Insulated Wire, Impulse Dielectric Testing*, was adopted on 11 August 2000 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Defense Logistics Agency, Defense Supply Center, Columbus, ATTN: DSCC-VAI, P.O. Box 3990, Columbus, OH 43216-5000. DoD activities may obtain copies of this standard from the Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094. The private sector and other Government agencies may purchase the document from the National Electrical Manufacturers Association, 1300 North 17th Street, Rosslyn, VA 22209.

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Scope

This procedure is intended for the dielectric testing of insulation of unshielded single conductor wires.
This procedure is not intended for use with multi-conductor cable.