

MC – Metal Clad - UL 1569 listed, Article 330 of the National Electrical Code® for factory assembly of two or more insulated conductors, with or without grounding conductor(s), and enclosed within interlocking armor with an operating voltage of 600V.

Messenger wire – Metallic supporting member either solid or stranded which may also perform the function of a conductor.

Micrometer – Measuring device with .0001" increments.

Migration – Loss of plasticizer from a plastic, usually due to heat or aging. It is undesirable since it can make the plastic hard and brittle. Also referred to as leaching.

mil – Unit used in measuring diameter of a wire or thickness of insulation over a conductor. One one-thousandth of an inch (.001").

Minor dimension – On flat cord, distance from top to bottom.

Moisture absorption – Amount of water that an insulation or jacket, which is initially dry, will absorb under specified conditions.

Moisture resistance – Ability of a material to resist absorbing moisture from the air or when immersed in water.

MRAP – Mine Resistant Ambush Protected - Family of armored fighting vehicles used by the United States armed forces, among others. The purpose of the design is surviving Improvised Explosive Device attacks and ambushes.

MRI – Magnetic Resonance Imaging - Medical imaging technique used in radiology to visualize internal structures of the body in detail.

MSC – Marine Shipboard Cable - UL 1309 listed and CSA 245 certified for signal, control, instrumentation and power cables for marine applications.

MSDS – Material Safety Data Sheet - Documents within a facility which explain material hazards, their proper handling and medical attention required in the event of exposure.

MSHA – Mine Safety and Health Administration - Agency of the United States Department of Labor which administers the provisions of the Federal Mine Safety and Health Act of 1977 (Mine Act) to enforce compliance with mandatory safety and health standards as a means to eliminate fatal accidents, to reduce the frequency and severity of non-fatal accidents, to minimize health hazards, and to promote improved safety and health conditions in the nation's mines.

MSDS – Material Safety Data Sheets located within the factory which explain material hazards, their proper handling and medical attention required in the event of exposure.

MTW – Machine - Tool Wires and cables - UL 1063 listed for wire and cable.

Multi-conductor – Cable consisting of many conductors and is common in control applications.

NASA – National Aeronautics Space Administration.

NEC® – National Electrical Code® (or NFPA 70) - Regionally adoptable standard for the safe installation of electrical wiring and equipment in the United States.

NEMA – National Electrical Manufacturers Association - Association of electrical and medical imaging equipment manufacturers in the United States.

NEV – Neighborhood Electric Vehicle.

NFPA – National Fire Protection Association - United States trade association that creates and maintains private, copyrighted, standards and codes for usage and adoption by local governments.

NGSI – National Geospatial-Intelligence Agency.

NISPE-1 – Non-Integral Service Parallel Elastomer 1 - UL 62 listed, Article 400 of the National Electrical Code® for pendant or portable cable, 2 or 3 conductors, 20 - 18 AWG, damp location, not hard usage, 300V, 60°C to 105°C.

NISPE-2 – Non-Integral Service Parallel Elastomer 2 - UL 62 listed, Article 400 of the National Electrical Code® for pendant or portable cable, 2 or 3 conductors, 18 - 16 AWG, damp location, not hard usage, 300V, 60°C to 105°C.

NISPT-1 – Non-Integral Service Parallel Thermoplastic 1 - UL 62 listed, Article 400 of the National Electrical Code® for pendant or portable cable, 2 or 3 conductors, 20 - 18 AWG, damp location, not hard usage, 300V, 60°C to 105°C.

NISPT-2 – Non-Integral Service Parallel Thermoplastic 2 - UL 62 listed, Article 400 of the National Electrical Code® for pendant or portable cable, 2 or 3 conductors, 18 - 16 AWG, damp location, not hard usage, 300V, 60°C to 105°C.

Nominal – Generally recognized as the aim point of a specified value.

Non-hygroscopic – Lacking the property of absorbing and retaining an appreciable quantity of moisture from the air.

NWI – Northwire, Inc., dba

Nylon – Strong polyamide polymer used for wire, cable jacketing, fillers and rope.

OD – Outside Diameter.

ODVA™ – Open DeviceNet™ Vendors Association - International organization that supports computing network technologies based upon the Common Industrial Protocol (CIP).

OFHC – Oxygen-Free, High Conductivity copper. It has no residual deoxidant, 99.95% minimum copper content and an average annealed conductivity of 101%.

Ohm (Ω) – Unit of measure for resistance such that a constant current of one ampere produces a force of one volt.

OSHA – Occupational Safety and Health Administration - Main federal agency charged with the enforcement of safety and health legislation.

Oxygen bomb test – Test to determine the ability of conductors and insulations to withstand physical and electrical change when immersed in pure oxygen gas of specified temperature and pressure for a specified time.

Pair – Two insulated wires of a single circuit associated together.