



Designation: B 3—95 – 01

Standard Specification for Soft or Annealed Copper Wire¹

This standard is issued under the fixed designation B 3; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This specification covers drawn and annealed or soft round bare copper wire for electrical purposes (see Explanatory Note 1).

1.2 ~~The SI values for density and resistivity stated in inch-pound or SI units are to be regarded separately as the standard. For all other properties Each system shall be used independently of the inch-pound or other. Combining values are to be regarded as from the standard and two systems may result in non-conformance with the specification. For conductor sizes designated by AWG or kcmil sizes, the requirements in SI units may be approximate.~~

1.3 ~~The hazard statement applies only to Section 6, Test Methods, of this specification. This standard does not purport to address all of are numerically converted from the safety concerns, if any, associated with its use. It is corresponding requirements in inch-pound units. For conductor sizes designation by AWG or kcmil, the requirements in SI units have been numerically converted from corresponding values stated or derived in inch-pound units. For conductor sizes designated by SI units only, the user of this standard to establish appropriate safety requirements are stated or derived in SI units.~~

1.2.1 ~~For density, resistivity and health practices and determine temperature, the applicability of regulatory limitations prior values stated in SI units are to use: be regarded as standard.~~

2. Referenced Documents

2.1 The following documents of the issue in effect at the time of reference form a part of this specification to the extent referenced herein:

2.2 *ASTM Standards:*

B 49 Specification for Copper Redraw Rod for Electrical Purposes ²

¹ This specification is under the jurisdiction of ASTM Committee B-1 B01 on Wires for Electrical Conductors and is the direct responsibility of Subcommittee B01.04 on Conductors of Copper and Copper Alloys.

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