



Designation: B 835 – 9300

Standard Specification for Compact Round Stranded Copper Conductors Using Single Input Wire Construction¹

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1. Scope

1.1 This specification covers bare compact round stranded conductors made from uncoated copper wires of a single input wire (SIW) diameter for general use ~~as an in covered or insulated electrical conductor, wires or cables.~~ These conductors shall be constructed with one or more layers of helically laid compacted wires (Explanatory Note 1, Note 2, and Note 3).

1.2 ~~The SI values for density stated in inch-pound or SI units are to be regarded separately as the standard. For all other properties, the inch-pound~~ The values in each system are not exact equivalents; therefore, each system shall be regarded as used independently of the other. Combining values from the two systems may result in nonconformance with the specification.

1.2.1 ~~For density, resistivity and temperature, the values stated in SI units may are to be approximate, regarded as standard.~~

2. Referenced Documents

2.1 The following documents of the issue in effect on date of material purchase form a part of this specification to the extent referenced herein.

2.2 *ASTM Standards:*

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

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