

# Electrical Conductors

## Table of Contents

- B1-13 Standard Specification for Hard-Drawn Copper Wire
- B2-13 Standard Specification for Medium-Hard-Drawn Copper Wire
- B3-13 Standard Specification for Soft or Annealed Copper Wire
- B8-11 Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft
- B9-90(2012) Standard Specification for Bronze Trolley Wire
- B33-10(2014) Standard Specification for Tin-Coated Soft or Annealed Copper Wire for Electrical Purposes
- B47-95a(2012) Standard Specification for Copper Trolley Wire
- B48-00(2011) Standard Specification for Soft Rectangular and Square Bare Copper Wire for Electrical Conductors
- B105-05(2012) Standard Specification for Hard-Drawn Copper Alloy Wires for Electric Conductors
- B116-95(2012) Standard Specification for Figure-9 Deep-Grooved and Figure-8 Copper Trolley Wire for Industrial Haulage
- B172-10 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors
- B173-10 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members, for Electrical Conductors
- B174-10 Standard Specification for Bunch-Stranded Copper Conductors for Electrical Conductors
- B189-05(2010) Standard Specification for Lead-Coated and Lead-Alloy-Coated Soft Copper Wire for Electrical Purposes
- B193-02(2014) Standard Test Method for Resistivity of Electrical Conductor Materials
- B226-11 Standard Specification for Cored, Annular, Concentric-Lay-Stranded Copper Conductors
- B227-10 Standard Specification for Hard-Drawn Copper-Clad Steel Wire
- B228-11a Standard Specification for Concentric-Lay-Stranded Copper-Clad Steel Conductors
- B229-12 Standard Specification for Concentric-Lay-Stranded Copper and Copper-Clad Steel Composite Conductors
- B230/B230M-07(2012) Standard Specification for Aluminum 1350–H19 Wire for Electrical Purposes
- B231/B231M-12 Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors
- B232/B232M-11 Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR)
- B233-97(2012) Standard Specification for Aluminum 1350 Drawing Stock for Electrical Purposes
- B246-05(2010) Standard Specification for Tinned Hard-Drawn and Medium-Hard-Drawn Copper Wire for Electrical Purposes

B258-14 Standard Specification for Standard Nominal Diameters and Cross-Sectional Areas of AWG Sizes of Solid Round Wires Used as Electrical Conductors

B263/B263M-14 Standard Test Method for Determination of Cross-Sectional Area of Stranded Conductors

B279-13 Standard Test Method for Stiffness of Bare Soft Square and Rectangular Copper and Aluminum Wire for Magnet Wire Fabrication

B286-07(2012) Standard Specification for Copper Conductors for Use in Hookup Wire for Electronic Equipment

B298-12 Standard Specification for Silver-Coated Soft or Annealed Copper Wire

B324-01(2012) Standard Specification for Aluminum Rectangular and Square Wire for Electrical Purposes

B354-12 Standard Terminology Relating to Uninsulated Metallic Electrical Conductors

B355-11 Standard Specification for Nickel-Coated Soft or Annealed Copper Wire

B398/B398M-14 Standard Specification for Aluminum-Alloy 6201-T81 and 6201-T83 Wire for Electrical Purposes

B399/B399M-04(2010) Standard Specification for Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors

B400/B400M-14 Standard Specification for Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors

B401-12 Standard Specification for Compact Round Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR/COMP)

B415-98(2013) Standard Specification for Hard-Drawn Aluminum-Clad Steel Wire

B416-98(2013) Standard Specification for Concentric-Lay-Stranded Aluminum-Clad Steel Conductors

B452-09 Standard Specification for Copper-Clad Steel Wire for Electronic Application

B470-02(2012) Standard Specification for Bonded Copper Conductors for Use in Hookup Wires for Electronic Equipment

B496-14 Standard Specification for Compact Round Concentric-Lay-Stranded Copper Conductors

B498/B498M-08 Standard Specification for Zinc-Coated (Galvanized) Steel Core Wire for Use in Overhead Electrical Conductors

B500/B500M-12 Standard Specification for Metallic Coated or Aluminum Clad Stranded Steel Core for Use in Overhead Electrical Conductors

B501-10 Standard Specification for Silver-Coated, Copper-Clad Steel Wire for Electronic Application

B502/B502M-10e1 Standard Specification for Aluminum-Clad Steel Core Wire for Use in Overhead Electrical Aluminum Conductors

B520-12 Standard Specification for Tin-Coated, Copper-Clad Steel Wire for Electronic Application

B524/B524M-99(2011) Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Alloy Reinforced (ACAR, 1350/6201)

B549-13 Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Clad Steel Reinforced for Use in Overhead Electrical Conductors

B559-12 Standard Specification for Nickel-Coated, Copper-Clad Steel Wire for Electronic Application

B566-04a(2011) Standard Specification for Copper-Clad Aluminum Wire

B606/B606M-08e1 Standard Specification for High-Strength Zinc-Coated (Galvanized) Steel Core Wire for Aluminum and Aluminum-Alloy Conductors, Steel Reinforced

B609/B609M-12 Standard Specification for Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes

B624-07(2012) Standard Specification for High-Strength, High-Conductivity Copper-Alloy Wire for Electronic Application

B682-01(2009) Standard Specification for Standard Metric Sizes of Electrical Conductors

B701/B701M-13 Standard Specification for Concentric-Lay-Stranded Self-Damping Aluminum Conductors, Steel Reinforced (ACSR/SD)

B711-13 Standard Specification for Concentric-Lay-Stranded Aluminum-Alloy Conductors, Steel Reinforced (AACSR) (6201)

B738-13 Standard Specification for Fine-Wire Bunch-Stranded and Rope-Lay Bunch-Stranded Copper Conductors for Use as Electrical Conductors

B778-14 Standard Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors (AAC/TW)

B779-14 Standard Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR/TW)

B784-01(2012) Standard Specification for Modified Concentric-Lay-Stranded Copper Conductors for Use in Insulated Electrical Cables

B786/B786M-08(2013)e1 Standard Specification for 19 Wire Combination Unilay-Stranded Aluminum Conductors for Subsequent Insulation

B787/B787M-04(2014) Standard Specification for 19 Wire Combination Unilay-Stranded Copper Conductors for Subsequent Insulation

B800-05(2011) Standard Specification for 8000 Series Aluminum Alloy Wire for Electrical Purposes - Annealed and Intermediate Tempers

B801-07(2012) Standard Specification for Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation

B802/B802M-10 Standard Specification for Zinc-5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR)

B803/B803M-08e1 Standard Specification for High-Strength Zinc-5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Use in Overhead Electrical Conductors

B830-11 Standard Specification for Uniform Test Methods and Frequency

B835-14 Standard Specification for Compact Round Stranded Copper Conductors Using Single Input Wire Construction

B836-00(2011) Standard Specification for Compact Round Stranded Aluminum Conductors Using Single Input Wire Construction

B856-13 Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated Steel Supported (ACSS)

B857-14 Standard Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Supported (ACSS/TW)

B869-07(2013) Standard Specification for Copper-Clad Steel Electrical Conductor for CATV Drop Wire

B901-04(2011) Standard Specification for Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction

B902/B902M-13e1 Standard Specification for Compressed Round Stranded Copper Conductors, Hard, Medium-Hard, or Soft Using Single Input Wire Construction

B910/B910M-07(2013) Standard Specification for Annealed Copper-Clad Steel Wire

B911/B911M-12 Standard Specification for ACSR Twisted Pair Conductor (ACSR/TP)

B941-10 Standard Specification for Heat Resistant Aluminum-Zirconium Alloy Wire for Electrical Purposes

B957/B957M-08e1 Standard Specification for Extra-High-Strength and Ultra-High-Strength Zinc-Coated (Galvanized) Steel Core Wire for Overhead Electrical Conductors

B958/B958M-08e1 Standard Specification for Extra-High-Strength and Ultra-High-Strength Class A Zinc-5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Use in Overhead Electrical Conductors

B961-13 Standard Specification for Silver Coated Copper and Copper Alloy Stranded Conductors for Electronic Space Application

B965-09(2014) Standard Specification for High Performance Tin-Coated Annealed Copper Wire Intended for Electrical and Electronic Application for Solderability

B971-10(2014) Standard Specification for Silver-Coated Braid and Ribbon Flat Copper Wire intended for use in Electronic Application

B972-10(2014) Standard Specification for Nickel-Coated Braid and Ribbon Flat Copper Wire Intended for use in Electronic Application

B973-10(2014) Standard Specification for Tin-Coated Braid and Ribbon Flat Copper Wire intended for use in Electronic Application

B976-11 Standard Specification for Fiber Reinforced Aluminum Matrix Composite (AMC) Core Wire for Aluminum Conductors, Composite Reinforced (ACCR)

B978/B978M-14 Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Composite Reinforced (ACCR)

B979-12 Standard Specification for Non-Specular (NS) Surface Finish on Overhead Aluminum Electrical Conductors

B986-13e1 Standard Test Method for Determination of Tensile Strength by Mass Method for Stranded Conductors Intended for use in Electronic Application

B987/B987M-14 Standard Specification for Carbon Fiber Composite Core (CFCC/TS) for use in Overhead Electrical Conductors