

NORMAS DE REFERENCIA

AEIC CS 1: Especificación para Solid-Type Impregnated-Paper-Insulated Metallic Sheathed Cable
AEIC CS2: Especificación para Impregnated-Paper and Laminated Paper-Polypropylene Insulated Cable, High-Pressure Pipe-Type
AEIC CS3: Especificación para Impregnated-Paper-Insulated, Metallic Sheathed Cable, Low Pressure Gas-Filled Type
AEIC CS4: Especificación para Impregnated-Paper-Insulated Low and Medium Pressure Self Contained Liquid Filled Cable
AEIC CS5: Especificación para Thermoplastic and Crosslinked Polyethylene Insulated Shielded Power Cables Rated 5 Through 69 kV
AEIC CS6: Especificación para Propylene Rubber Insulated Shielded Power Cables Rated 5 Through 69 kV
AEIC CS7: Especificación para Crosslinked Polyethylene Insulated Shielded Power Cables Rated 46 Through 138 kV
AEIC CS8: Especificación para Extended Dielectric, Shielded Power Cables Rated 5 through 46 kV
ASTM B 1: Standard Specification for Hard-Drawn Copper Wire
ASTM B 2: Standard Specification for Medium-Hard-Drawn Copper Wire
ASTM B 3: Standard Specification for Soft or Annealed Copper Wire
ASTM B 8: Standard Specification for Concentric-Lay Stranded Copper Conductors, Hard, Medium-Hard or Soft
ASTM B 33: Standard Specification for Tinned Soft or Annealed Copper Wire for Electrical Purposes
ASTM B 105: Standard Specification for Hard-Drawn Copper Alloy Wires for Electrical Conductors
ASTM B 170: Standard Specification for Oxygen-Free Electrolytic Copper
ASTM B 172: Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors
ASTM B 173: Standard Specification for Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members, for Electrical Conductors
ASTM B 174: Standard Specification for Bunch-Stranded Copper Conductors for Electrical Conductors
ASTM B 189: Standard Specification for Lead-Coated and Lead-Alloy-Coated Soft Copper Wire for Electrical Purposes
ASTM B 193: Standard Test Method for Resistivity of Electrical Conductor Materials

ASTM B 226: Standard Specification for Cored, Annular, Concentric-Lay-Stranded Copper Conductors
ASTM B 227: Standard Specification for Hard-Drawn Copper-Clad Steel Wire
ASTM B 228: Standard Specification for Concentric-Lay-Stranded Copper-Clad Steel Conductors
ASTM B 229: Standard Specification for Concentric-Lay-Stranded Copper and Copper-Clad Steel Composite Conductors
ASTM B 230: Standard Specification for Aluminum 1350-H19 Wire for Electrical Purposes
ASTM B 231: Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors
ASTM B 232: Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated Steel-Reinforced (ACACARSR)
ASTM B 233: Standard Specification for Aluminum 1350 Drawing Stock for Electrical Purposes
ASTM B 246: Standard Specification for Tinned Hard-Drawn and Medium-Hard-Drawn Copper Wire for Electrical Purposes
ASTM B 258: Standard Specification for Standard Nominal Diameters and Cross-Sectional Areas of AWG Sizes of Solid Round Wires Used as Electrical Conductors
ASTM B 263: Standard Test Method for Determination of Cross-Sectional Area of Stranded Conductors
ASTM B 286: Standard Specification for Copper Conductors for Use in Hookup Wire for Electronic Equipment
ASTM B 298: Standard Specification for Silver-Coated Soft or Annealed Copper Wire
ASTM B 324: Standard Specification for Nickel-Coated Soft or Annealed Copper Wire
ASTM B 341: Standard Specification for Aluminum-Coated (Aluminized) Steel Core Wire for Aluminum Conductors, Steel-Reinforced (ACSR/AZ)
ASTM B 355: Standard Specification for Nickel-Coated Soft or Annealed Copper Wire
ASTM B 397: Standard Specification for Concentric-Lay-Stranded Aluminum-Alloy 5005-H19 Conductors
ASTM B 398: Standard Specification for Aluminum-Alloy 6201-T81 Wire for Electrical Purposes
ASTM B 399: Standard Specification for Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors

NORMAS DE REFERENCIA

ASTM B 400: Standard Specification for Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors
ASTM B 401: Standard Specification for Compact Round Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR/COMP)
ASTM B 416: Standard Specification for Concentric-Lay-Stranded Aluminum-Clad Steel Conductors
ASTM B 452: Standard Specification for Copper-Clad Steel Wire for Electronic Application
ASTM B 470: Standard Specification for Bonded Copper Conductors for Use in Hookup Wires for Electronic Equipment
ASTM B 496: Standard Specification for Compact Round Concentric-Lay-Stranded Copper Conductors
ASTM B 498: Standard Specification for Zinc-Coated (Galvanized) Steel Core Wire for Aluminum Conductors, Steel-Reinforced (ACSR)
ASTM B 500: Standard Specification for Zinc-Coated (Galvanized), Zinc-5% Aluminum Mischmetal Alloy-Coated, and Aluminum-Coated (Aluminized) Stranded Steel Core for Aluminum Conductors, Steel-Reinforced (ACSR)
ASTM B 501: Standard Specification for Silver-Coated, Copper-Clad Steel Wire for Electronic Application
ASTM B 502: Standard Specification for Aluminum-Clad Steel Core Wire for Aluminum Conductors, Aluminum-Clad Steel Reinforced
ASTM B 520: Standard Specification for Tin-Coated, Copper-Clad Steel Wire for Electronic Application
ASTM B 524: Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Alloy Reinforced (ACAR, 1350/6201)
ASTM B 549: Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Clad Steel Reinforced (ACSR/AW)
ASTM B 559: Standard Specification for Nickel-Coated, Copper-Clad Steel Wire for Electronic Application
ASTM B 606: Standard Specification for High-Strength Zinc-Coated (Galvanized) Steel Core Wire for Aluminum and Aluminum Alloy Conductors, Steel Reinforced
ASTM B 609: Standard Specification for Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes
ASTM B 624: Standard Specification for High-Strength, High-Conductivity Copper-

Alloy Wire for Electronic Application
ASTM B 682: Standard Specification for Standard Metric Sizes of Electrical Conductors
ASTM B 701: Standard Specification for Concentric-Lay-Stranded Self-Damping Aluminum Conductors, Steel-Reinforced (ACSR/SD)
ASTM B 711: Standard Specification for Concentric-Lay-Stranded Aluminum-Alloy Conductors, Steel Reinforced (AACSR) (6201)
ASTM B 738: Standard Specification for Fine-Wire Bunch-Stranded and Rope-Lay Bunch Stranded Copper Conductors for Use as Electrical Conductors
ASTM B 778: Standard Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors (AAC/TW)
ASTM B 779: Standard Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors, Steel Reinforced (ACSR/TW)
ASTM B 784: Standard Specification for Modified Concentric-Lay-Stranded Copper Conductors for Use in Insulated Electrical Cables
ASTM B 785: Standard Specification for Compact Round Modified Concentric-Lay-Stranded Copper Conductors for Use in Insulated Electrical Cables
ASTM B 786: Standard Specification for 19 Wire Combination Unilay-Stranded Aluminum 1350 Conductors for Subsequent Insulation
ASTM B 787: Standard Specification for 19 Wire Combination Unilay-Stranded Copper Conductors for Subsequent Insulation
ASTM B 801: Standard Specification for Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
ASTM B 802: Standard Specification for Zinc-5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR)
ASTM B 803: Standard Specification for High-Strength Zinc-5 % Aluminum-Mischmetal Alloy Coated Steel Core Wire for Aluminum and Aluminum-Alloy Conductors, Steel Reinforced
ASTM D 149: Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies
ASTM D 470: Method of Testing Crosslinked Insulations and Jackets for Wire and Cable
ASTM D 866: Specification for Styrene-

NORMAS DE REFERENCIA

Butadiene (SBR) Synthetic Rubber Jacket for Wire and Cable
ASTM D 1047: Specification for Polyvinyl Chloride (PVC) Jacket for Wire and Cable
ASTM D 1351: Specification for Polyethylene Insulation for Wire and Cable
ASTM D 1352: Specification for Ozone-Resisting Butyl Rubber Insulation for Wire and Cable
ASTM D 1523: Method for Synthetic Rubber Insulation for Wire and Cable, 90° Operation
ASTM D 1679: Specification for Synthetic Rubber Heat and Moisture-Resisting Insulation for Wire and Cable, 75°C Operation
ASTM D 2219: Specification for Polyvinyl Chloride (PVC) Insulation for Wire and Cable, 60° Operation
ASTM D 2220: Specification for Polyvinyl Chloride (PVC) Insulation for Wire and Cable, 75° Operation
ASTM D 2308: Specification for Polyethylene Jacket for Electrical Insulated Wire and Cable
ASTM D 2526: Specification for Ozone-Resisting Silicone Rubber Insulation for Wire and Cable
ASTM D 2655: Specification for Crosslinked Polyethylene Insulation for Wire and Cable Rated 0 to 2000V
ASTM D 2656: Specification for Crosslinked Polyethylene Insulation for Wire and Cable Rated 2001 to 35000V
ASTM D 2768: Specification for General-Purpose Ethylene-Propylene Rubber Jacket for Wire and Cable
ASTM D 2770: Specification for Ozone-Resisting Ethylene-Propylene Rubber Integral Insulation and Jacket for Wire and Cable
ASTM D 2802: Specification for Ozone-Resistant Ethylene-Propylene Rubber Insulation for Wire and Cable
ASTM D 3004: Specification for Extruded Thermosetting and Thermoplastic Semi-Conducting Conductor and Insulation Shields
ASTM D 3485: Specification for Smooth-Wall Coilable Polyethylene (PE) Conduit (Duct) for Preassembled Wire and Cable
ASTM D 3554: Specification for Track-Resistant Black Thermoplastic High Density Polyethylene Insulation for Wire and Cable
ASTM D 3555: Specification for Track-Resistant Black Crosslinked Thermosetting Polyethylene Insulation for Wire and Cable
ASTM D 4244: Specification for General-Purpose, Heavy-Duty and Extra-Heavy Duty Acrylonitrile-Butadiene/ Polyvinyl Chloride (NBR/PVC) Jackets for Wire and

Cable
ASTM D 4245: Specification for Ozone-Resistant Thermoplastic Elastomer Insulation for Wire and Cable, 90°C Dry - 75°C Wet Operation
ASTM D 4246: Specification for Ozone-Resistant Thermoplastic Elastomer Insulation for Wire and Cable, 90°C Operation
ASTM D 4247: Specification for General-Purpose Black Heavy-Duty and Black Extra-Heavy Duty Polychloroprene Jackets for Wire and Cable
ASTM D 4313: Specification for General Purpose Heavy-Duty and Extra-Heavy-Duty Crosslinked Chlorinated Polyethylene Jackets for Wire and Cable
ASTM D 4314: Specification for General Purpose Heavy-Duty and Extra-Heavy-Duty Crosslinked Chlorosulfonated Polyethylene Jackets for Wire and Cable
ASTM D 4363: Specification for Thermoplastic Chlorinated Polyethylene Jacket for Wire and Cable
ASTM D 4496: Test Method of DC Resistance or Conductance of Moderately Conductive Materials
ASTM D 4568: Test Methods for Evaluating Compatibility Between Cable Filling and Flooding Compounds and Polyolefin Cable Materials
ASTM D 4967: Guide for Selecting Materials to Be Used for Insulation, Jacketing, and Strength Components in Fiber Optic Cables
ICEA P-32-382: ICEA Standards Publication for Short Circuit Characteristics of Insulated Cable
ICEA P-45-482: ICEA Standards Publication for Short-Circuit Performance of Metallic Shields and Sheaths of Insulated Cable
ICEA P-53-426: ICEA/NEMA Standards Publication for Ampacities, Including Effect of Shield Losses for Single-Conductor Solid-Dielectric Power Cable 15 kV through 69 kV (NEMA WC 50)
ICEA P-54-440: ICEA/NEMA Standards Publication for Ampacities of Cables in Open-Top Cable Trays (NEMA WC 51)
ICEA P-79-561: ICEA Guide for Selecting Aerial Cable Messengers and Lashing Wires
ICEA P-81-570: ICEA Standards Publication for Direct Burial 600 Volt Cable with Ruggedized Extruded Insulation
ICEA S-19-81: ICEA/NEMA Standards Publication for Rubber-Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy (NEMA WC 3)
ICEA S-56-434: ICEA/ANSI Standards Publication for Polyolefin Insulated

NORMAS DE REFERENCIA

Communications Cables for Outdoor Use
ICEA S-61-402: ICEA/NEMA Standards Publication for Thermoplastic-Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy (NEMA WC 5)
ICEA S-66-524: ICEA/NEMA Standards Publication for Cross-Linked-Thermosetting Polyethylene-Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy (NEMA WC 7)
ICEA S-67-401: ICEA/NEMA Standards Publication for Steel Armor and Associated Coverings for Impregnated-Paper-Insulated Cables (NEMA WC 2)
ICEA S-68-516: ICEA/NEMA Standards Publication for Ethylene-Propylene-Rubber-Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy (NEMA WC 8)
ICEA S-70-547: ICEA/ANSI Standards Publication for Weather-Resistant Polyolefin-Covered Wire and Cable
ICEA S-73-532: ICEA/NEMA/ANSI Standards Publication for Control Cables (NEMA WC 57)
ICEA S-75-381: ICEA/NEMA/ANSI Standards Publication for Portable and Power Feeder Cables for Use in Mines and Similar Applications (NEMA WC 58)
ICEA S-76-474: ICEA/ANSI Standards Publication for Neutral-Supported Power Cable Assemblies with Weather-Resistant Extruded Insulation, 600 Volts
ICEA S-77-528: ICEA/ANSI Standards Publication for Outside Plant Communications Cables, Specifying Metric Wire Sizes
ICEA S-80-576: ICEA/ANSI Standards Publication for Communications Wire and Cable for Wiring of Premises
ICEA S-81-570: Standard for Direct Burial 600 Volt Ruggedized Insulation
ICEA S-82-552: ICEA/NEMA Standards Publication for Instrumentation Cables and Thermocouple Wire (NEMA WC 55)
ICEA S-84-608: ICEA/ANSI Standards Publication for Telecommunications Cable, Filled Polyolefin Insulated, Copper Conductor
ICEA S-85-625: ICEA/ANSI Standards Publication for Aircore, Polyolefin Insulated, Copper Conductor Telecommunications Cable
ICEA S-86-634: ICEA/ANSI Standards Publication for Buried Distribution and Service Wire, Filled Polyolefin Insulated, Copper Conductor
ICEA S-87-640: ICEA/ANSI Standards Publication for Fiber Optic Outside Plant Communication Cable

ICEA-S-93-639: ICEA/NEMA Standard for Shielded Power Cables Rated 5-46 KV for the Distribution of Electrical Energy (NEMA WC 74)
ICEA-S-94-649: Standard for Concentric Neutral Cables Rated 5-46 KV
ICEA S-95-658: ICEA/NEMA Standard for Non-shielded Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy (NEMA WC 70)
ICEA S-96-659: ICEA/NEMA Standard for Non-shielded Cables Rated 2001-5000 Volts for use in the Distribution of Electrical Energy (NEMA WC 71)
ICEA S-97-682: Standard for Utility Shielded Power Cable Rated 5-46 KV
ICEA S-105-692: Standard for 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cable
ICEA T-22-294: ICEA Standard Test Procedures for Extended Time-Testing of Wire and Cable Insulations for Service in Wet Locations
ICEA T-25-425: ICEA Guide for Establishing Stability of Volume Resistivity for Conducting Polymeric Components of Power Cables
ICEA T-26-465: ICEA/NEMA Guide for Frequency of Sampling Extruded Dielectric Power, Control, Instrumentation and Portable Cables for Test (NEMA WC 54)
ICEA T-27-581: ICEA/NEMA Standard Test Methods for Extruded Dielectric Power, Control, Instrumentation and Portable Cables (NEMA WC 53)
ICEA T-28-562: ICEA Standard Test Method for Measurement of Hot Creep of Polymeric Insulations
ICEA T-29-520: ICEA Standard for Vertical Tray Flame Tests at 210,000 Btu
ICEA T-30-520: ICEA Standard for Vertical Tray Flame Tests at 70,000 Btu
ICEA T-31-610: ICEA Standard for Water Penetration Resistance Test, Sealed Conductor
ICEA T-32-645: ICEA Standards Publication for Compatibility of Sealed Conductor Filer Compounds
IEEE 45: IEEE Recommended Practice for Electric Installations on Shipboard
IEEE 48: IEEE Standard Test Procedures and Requirements for High-Voltage Alternating Current Cable Terminations
IEEE 100: IEEE Standard Dictionary of Electrical and Electronics Terms
IEEE 141: IEEE Recommended Practice for Electric Power Distribution for Industrial Plants ("IEEE Red Book")
IEEE 142: IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems ("IEEE

NORMAS DE REFERENCIA

Green Book")
IEEE 241: IEEE Recommended Practice for Electric Power Systems in Commercial Buildings ("IEEE Gray Book")
IEEE 242: IEEE Recommended Practice for Protection and Coordination of Industrial and Commercial Power Systems ("IEEE Buff Book")
IEEE 400: IEEE Guide for Making High-Direct-Voltage Tests on Power Cable Systems in the Field
IEEE 404: IEEE Standard for Cable Joints for Use with Extruded Dielectric Cable Rated 5,000V Through 46,000V, and Cable Joints for Use with Laminated Dielectric Cable Rated 2,500V Through 500,000V
IEEE 446: IEEE Recommended Practice for Emergency and Standby Power Systems for Industrial and Commercial Applications ("IEEE Orange Book")
IEEE 493: IEEE Recommended Practice for the Design of Reliable Industrial and Commercial Power Systems ("IEEE Gold Book")
IEEE 524: IEEE Guide to the Installation of Overhead Transmission Line Conductors
IEEE 525: IEEE Guide for the Design and Installation of Cable Systems in Substations
IEEE 575: IEEE Guide for the Application of Sheath-Bonding Methods for Single-Conductor Cables and the Calculation of Induced Voltages and Currents in Cable Sheaths
IEEE 576: IEEE Recommended Practice for Installation, Termination, and Testing of Insulated Power Cable as Used in the Petroleum and Chemical Industry
IEEE 602: IEEE Recommended Practice for Electric Systems in Health Care Facilities ("IEEE White Book")
IEEE 635: IEEE Guide for Selection and Design of Aluminum Sheaths for Power Cables
IEEE 738: IEEE Standard for Calculation of Bare Overhead Conductor Temperature and Ampacity Under Steady-State Conditions
IEEE 789: IEEE Standard Performance Requirements for Communications and Control Cables for Application in High Voltage Environments
IEEE 816: IEEE Guide for Determining the Smoke Generation of Solid Materials Used for Insulations and Coverings of Electric Wire and Cable
IEEE 1017: IEEE Recommended Practice for Field Testing Electric Submersible Pump Cable
IEEE 1018: IEEE Recommended Practice for Specifying Electric Submersible Pump

Cable – Ethylene-Propylene Rubber Insulation
IEEE 1019: IEEE Recommended Practice for Specifying Electric Submersible Pump Cable – Polypropylene Insulation
IEEE 1120: IEEE Guide to the Factors to Be Considered in the Planning, Design, and Installation of Submarine Power and Communications Cables
IEEE 1202: IEEE Standard for Flame Testing of Cables for Use in Cable Tray in Industrial and Commercial Occupancies
IEEE/ICEA S-135: Power Cable Ampacities
NFPA 70: National Electrical Code
NFPA 70HB: National Electrical Code Handbook
NFPA 262: Test for Fire and Smoke Characteristics of Wires and Cables
ONT M-302-84: Cable, Secondary, for Direct Burial
ONT M-355-82: Cable, Primary Submarine
ONT M-538-84: Cable, For Use in Generating Stations (5 kV and Above)
ONT M-570-84: Cable, For Use in Generating Stations (600V)
ONT M-695-88: Cable, Primary and Subtransmission Submarine, Concentric Neutral
SAE 1560: Low Tension, Thin Wall Primary Cable
SAE J1127: Battery Cable
SAE J1128: Low Tension Primary Cable
UL 4: Standard for Armored Cable
UL 13: Standard for Power-Limited Circuit Cables
UL 44: Standard for Rubber-Insulated Wires and Cables
UL 62: Standard for Flexible Cord and Fixture Wire
UL 83: Standard for Thermoplastic-Insulated Wires and Cables
UL 183: Standard for Manufactured Wiring Systems
UL 444: Standard for Communications Cables
UL 486A: Standard for Wire Connectors and Soldering Lugs for Use With Copper Conductors
UL 486B: Standard for Wire Connectors and Soldering Lugs for Use With Aluminum Conductors
UL 486C: Standard for Splicing Wire Connectors
UL 486D: Standard for Insulated Wire Connectors for Use With Underground Conductors
UL 486E: Standard for Equipment Wiring Terminals for Use With Aluminum and/or Copper Conductors
UL 493: Standard for Thermoplastic-

