CONTENTS

ASTM STANDARDS ON METALLIC ELECTRICAL CONDUCTORS

Test for Weight of Coating on Zinc-Coated (Galvanized) Iron or Steel Articles	1
Spec. for Zinc-Coated (Galvanized) "Iron" Telephone and Telegraph Line Wire	5
Test for Uniformity of Coating by the Preece Test (Copper Sulfate Dip) on Zinc-Coated	
(Galvanized) Iron on Steel Articles	9
Spec. for Zinc-Coated (Galvanized) High Tensile Steel Telephone and Telegraph	
Line Wire	14
Spec. for Stainless Steel Wire Strand	18
Spec. for Zinc-Coated (Galvanized) Low-Carbon Steel Armor Wire	21
Spec. for Zinc-Coated Steel Wire Strand (Tentative)	24
Spec. for Hare-Drawn Copper Wire	27
Spec. for Medium-Hard-Drawn Copper Wire	32
Spec. for Soft of Annealed Copper Wire	39
Spec. for Soft or Annealed Copper Wire	43
Spec. for Lake Copper Wire Bars, Cakes, Slabs, Billets, Ingots, and Ingot Bars	49
Spec. for Electrolytic Copper Wire Bars, Slabs, Billets, Ingots and Ingot Bars	53
Spec. for Slab Zinc (Tentative)	57
Spec. for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft	60
Spec. for Bronze Trolley Wire	69
Spec. for Pig Lead	77
Spec. for Tinned Soft or Annealed Copper Wire for Electrical Purposes	81
Spec. for Copper Trolley Wire	90
Spec. for Soft Rectangular and Square Bare Copper Wire for Electrical Conductors	96
Spec. for Hot-Rolled Copper Rods for Electrical Purposes	105
Spec. for Seamless Copper Tube	108
Spec. for Hare-Drawn Copper Alloy Wires for Electrical conductors	113
Spec. for Figure-9 Deep-Section Grooved and Figure-8 Copper Trolley Wire for	
Industrial Haulage	118
Spec. for Oxygen-Free Electrolytic Copper Wire Bars, Billets, and Cakes	124
Spec. For Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members	
for Electrical Conductors	127
Spec. for Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members	
for Electrical Conductors	133
Spec. for Bunch0Stranded Copper Conductors for Electrical Conductors	140
Spec. for Copper Bus Bar, Rod, and Shapes	146
Spec. for Seamless Copper Bus Pipe and Tube	154
Spec. for Lead-Coated and Lead-Alloy-Coated Soft Copper Wire for Electrical Purposes	167
Test for Resistivity of Electrical Conductor Materials	176
Classification of Coppers	182
Spec. for Cored, Annular, Concentric-Lay-Stranded Copper Conductors	186
Spec. for Hard-Drawn Copper-Clad Steel Wire	191
Spec. for Concentric-Lay-Stranded Copper-Clad Steel Conductors	196
Spec. for Concentric-Lay-Stranded Copper and Copper-Clad Steel Composite Conductors	
Spec. for Aluminum Wire EC-H19 for Electrical Purposes	209
Spec. for Aluminum Conductors, Concentric-Lay-Stranded	213
Spec. for Aluminum conductors, Concentric-Lay-Stranded Steel-Reinforced (ACSR)	
(Tentative)	224
Spec. for Aluminum Rolled Rods for Electrical Purposes	235
Spec. for Aluminum Bars for electrical Purposed (Bus Bars)	239
Spec. for Standard Weight Zinc-Coated (Galvanized) Steel Core Wire for Aluminum	0.47
Conductors, Steel Reinforced (ACSR)	247

Spec. for Tinned Hard-Drawn and Medium-Hard-Drawn Copper Wire for		
Electrical Purposes	253	
Spec. for Standard Nominal Diameters and Cross - Sectional Areas of Awg Sizes of Solid	1	
Round Wires Used as Electrical Conductors	259	
Spec. for Zinc-Coated (Galvanized) Steel Core Wire (with Coatings Heavier than Standar	d	
Weight) for Aluminum Conductors, Steel Reinforced (ACSR)	266	
Spec. for Hard Aluminum Wire EC-H16 or H26 for Electrical Purposes	272	
Method for Determination of Cross – Sectional Area of Stranded Conductors	276	
Test for Stiffness of Bare Soft Square and Rectangular Copper Wire for Magnet Wire		
Fabrication	278	
Spec. for Copper Conductors for Use in Hookup Wire for Electronic Equipment		
(Tentative)	280	
Rec. Practice for Temper Designation of Aluminum and Magnesium Alloys, Cast and		
Wrought	288	
Spec. for Silver-Coated Soft or Annealed Copper Wire	292	
Spec. for Aluminum Wire for Communication Cable	303	
Spec. for Aluminum- Alloy Extruded Bar, Rod, Pipe, and Structural Shapes for Electrical		
Purposes (Bus Conductors)	307	
Spec. for Aluminum Wire EC-H14 or -H24 for Electrical Purpose	318	
Spec. for Aluminum Rectangular and Square Wire for Electrical Purposes	322	
Classification of Pig Tin (Tentative)	329	
Spec. for Aluminum-Coated (Aluminized) Steel Core Wire for Aluminum Conductors, Steel		
Reinforced (ACSR) (Tentative)	332	
Test for Electrical Conductivity by Use of Eddy Currents	338	
Def. of Terms Relating to Uninsulated Metallic Electrical Conductors (Tentative)	340	
Spec. for Nickel-Coated Soft or Annealed Copper Wire (Tentative)	343	
Spec. for Seamless Copper and Copper-Alloy Rectangular Wave guide Tube	353	
Spec. for Aluminum Alloy 500-H19 Wire for Electrical Purposes (Tentative)	360	
Spec. for Aluminum Alloy 5005-H19 Wire for Electrical Purposes (Tentative)	364	
Spec. for Aluminum Alloy 6201-T18 Wire for Electrical Purpose (Tentative)	369	
Spec. for Concentric-Lay-Stranded 6201-T29 Aluminum Alloy Conductors (Tentative)	373	
Spec. for Compact Round Concentric-Lay-Stranded EC Grande Conductors (Tentative)	378	
Spec. for Compact Round Cibcebtruc-Lay-Strnded Aluminum Conductors.		
Steel-Reinforced (ACSR) (Tentative)	382	
Spec. for Hard-Drawn Aluminum-Clad Steel Wire	387	
Spec. for Concentric-Lay-Stranded Aluminum-Clad Steel Conductors	391	
Tension Testing of Metallic Materials (Tentative)	396	
Test for Rockwell Hardness and Rockweel Superficial Hardness of Metallic Materials	416	
Rec. Practices for Designating Significant Places in Specified Limiting Values (Tentative) 439	