

## 16. LATIN AND SOUTH AMERICA

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### 16.1 Mexican Standards

#### 16.1.1 NOM

**Norma Oficial Mexicana**  
**Secretaria de Comercio y Fomento Industrial**  
**Dirección General de Normas**  
**México, D.F.**

DOCUMENT NO.	TITLE
NOM-001-SEMP	Installations Intended for the Administration and Use of Electrical Energy
NOM-J-8	Annealing of Tractable Tin-Plated Copper Wire for Electrical Use
NOM-J-12	Electrical Products — Wire and Cables — Concentric-Lay-Stranded Copper Cable for Electrical Applications
NOM-J-36	Soft or Annealed Copper Wire for Electrical Applications
NOM-J-93	Determination of the Resistance to Fire Propagation on Electrical Conductors — Test Method
NOM-J-142	Crosslinked Polyethylene or Ethylene Propylene Rubber Insulated Shielded Power Cable Rated 5 through 115 kV
NOM-J-177	Determination of Thickness of Shields, Semiconductors, Insulations and Protective Covers of Electrical Conductors
NOM-J-178	Determination of Tensile Strength and Elongation of Semiconducting Shields, Insulations and Protective Covers of Electrical Conductors
NOM-J-186	Accelerated Heat Aging of Semiconducting Shields, Insulations and Protective Covers of Electrical Conductors
NOM-J-212	Conductors, Electrical Resistance and Resistivity Test Method
NOM-J-293	Electric Products — Insulated Electric Conductors — High-Voltage AC and DC — Test Method
NOM-J-294	Insulation Resistance Test Method
NOM-J-297	Electrical Products — Wires and Cables — Flexible Cords with Copper Conductors for Electrical and Electronic Applications
NOM-J-300	Control Cables with Thermoplastic or Thermosetting Insulation for 600 V and 1,000 V AC and Maximum Conductor Temperature of 75°C and 90°C

#### 16.1.2 ANCE

**Asociación Nacional de Normalización y Certificación del Sector Eléctrico**

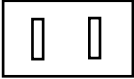
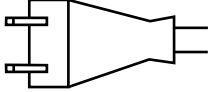
#### 16.1.3 COTNNIE

**Mexican National Electrical Standards**

**16.1.4 Supply Voltage and Plug Configuration****Table 16.1–Mexican supply voltage**

FREQUENCY (Hz)	VOLTAGE
50	127/220

**Table 16.2–Mexican plug configuration**

Jack	Plug	Description
		North American Ungrounded

**16.2 Venezuelan Standards**

**16.2.1 COVENIN**  
Caracas, Venezuela  
Contact: Carmen Diaz Suarez  
Tel: 58-2-575-4111

DOCUMENT NO.	TITLE
COVENIN #200	Venezuelan National Electrical Standards (Essentially the same as the U.S. National Electrical Code [NFPA 70])

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### **16.3 Brazilian Standards**

#### **16.3.1 ABNT**

**Association of Brazilian Technical Standards  
(Associação Brasileira De Normas Técnicas)  
Niteroi, Brazil  
Contact: Fernando Rosa  
Tel: 55-21-210-3122  
Fax: 55-21-240-8249**

<b>DOCUMENT NO.</b>	<b>TITLE</b>
NBR 5410	Electrical Installations for Buildings — Low Voltage — Procedure
NBR 11301	Calculation of the Continuous Current Ratings of Cables at 100% load factor (Based on IEC 287)

### **16.4 Colombian Standards**

#### **16.4.1 ICONTEC**

**Instituto Colombiano de Normas Técnicas  
(Colombian Institute for Standardization)  
Bogota, Colombia  
Tel: 57-1-315-0377  
Fax: 57-1-222-1435**

<b>DOCUMENT NO.</b>	<b>TITLE</b>
NTC 2050	Colombian National Electrical Standards (Essentially the same as the U.S. National Electrical Code [NFPA 70])