

U.S. Census Bureau
Insulated Wire and Cable - 2009
MA335J(09)-1
Issued July 2010

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These data are also available online through STAT-USA by subscription. For further information, visit <http://www.stat-usa.gov/> or call 1-800-STAT-USA.

Table 1. Summary of Shipments of Insulated Wire and Cable
[Value in millions of dollars]

Product code	Product description	Year	Value 1/
3359291	Power wire and cable	2009	a/ 2,174
		2008	2,905
		2007	2,996
		2006	2,875
		2005	2,256
335929A (pt.)	Electronic wire and cable	2009	2,432
		2008	3,316
		2007	3,506
		2006	3,332
		2005	2,748
335929B	Telephone and telegraph wire and cable	2009	1,368
		2008	1,670
		2007	1,839
		2006	2,545
		2005	1,590
335929D	Building wire and cable	2009	3,574
		2008	5,963
		2007	6,783
		2006	7,248
		2005	4,835
335929F (pt.)	Control and signal wire and cable	2009	345
		2008	538
		2007	537
		2006	447
		2005	292
335929F (pt.)	Other insulated wire and cable	2009	c/ 447
		2008	1,018
		2007	(D)
		2006	930
		2005	811
3314224	Apparatus wire and cordage	2009	556
		2008	660
		2007	734
		2006	554
		2005	510
331491H	Magnet wire	2009	(D)
		2008	(D)

		2007		(D)
		2006		1,833
		2005		1,215
3359210	Insulated optical fiber cable	2009	a/	1,267
		2008	a/	1,372
		2007		1,163
		2006		1,273
		2005		1,158
327215B	Optical fiber for data and nondata transmission	2009		724
		2008	r/	617
		2007		618
		2006		566
		2005		450

Footnotes:

1/ Details may not add to total due to independent rounding.

Table 2. Shipments of Insulated Wire and Cable
[Shipments in thousands of pounds. Value in thousands of dollars]

Product code	Product description	Year	No. of cos.		Copper content (gross weight) 1/ 2/	Aluminum content (gross weight) 1/ 2/		Total Value
3359291	Power wire and cable	2009	(X)	a/	352,399	184,068	a/	2,173,573
		2008		r/	348,106	171,495		2,904,894
3359291801	Paper insulated cable (all voltages, all types)	2009	2		(D)	0		(D)
		2008			(D)	0		(D)
3359291802	Plastic and rubber insulated, 2 kV or less, portable welding cable	2009	6		16,820	0		59,956
		2008			20,203	0		97,061
3359291803	Underground distribution cable (UD, URD), all insulations	2009	10		76,156	142,438		746,113
		2008			58,670	128,285		929,674
3359291804	Thermoplastic insulated power cable, 2 kV or less (exclude underground)	2009	11	a/	55,801	(D)	a/	253,645
		2008			36,020	(D)	a/	225,971
3359291805	Thermoset insulated power cable (exclude underground)	2009	12	a/	175,171	(D)	a/	866,312
		2008			204,352	(D)		1,323,644
3359291806	Weatherproof cable, plastic and rubber insulated, 2 kV or less,	2009	3		(D)	(D)	a/	11,567
		2008			(D)	(D)		18,910
3359291807	Service drop cable, thermoset and thermoplastic insulated, 2 kV or less	2009	4		(D)	(D)		(D)
		2008			(D)	(D)		(D)
3359291808	Other power wire and cable, including portable	2009	10	b/	17,525	0	b/	127,407
		2008		a/	17,074	(D)	b/	165,571
335929A (pt.)	Electronic wire and cable	2009	(X)	a/	155,418	(X)		2,431,736
		2008		a/	204,608	(X)		3,315,619
335929A101	Flexible coaxial cable, armored or unarmored	2009	29	a/	23,311	(X)		484,155
		2008		a/	30,665	(X)		587,211
335929A102	Hookup wire (single conductor, shielded and nonshielded)	2009	27	b/	26,938	(X)	b/	284,154
		2008		a/	48,072	(X)	b/	421,253
335929A103	Multiconductor electronic wire and cable (shielded and nonshielded)	2009	48	a/	70,615	(X)	a/	1,023,221
		2008		a/	99,996	(X)		1,487,224
335929A104	Other electronic wire and cable	2009	16		34,554	(X)		640,206
		2008		r/	25,875	(X)	r/	819,931
335929B	Telephone and telegraph wire and cable	2009	(X)		176,497	(X)		1,367,672
		2008			225,885	(X)		1,670,439
335929B101	Station wire and cable	2009	7		(D)	(X)		(D)
		2008			7,720	(X)		49,409
335929B102	Inside wiring cable	2009	6		(D)	(X)		(D)
		2008			61,060	(X)		583,817
335929B103	Other telephone and telegraph wire and cable	2009	13		(D)	(X)		(D)
		2008			157,105	(X)		1,037,213
335929D	Building wire and cable	2009	(X)		1,177,359	97,232		3,573,532
		2008			1,253,510	113,919		5,962,674
335929D101	Building wire and cable, thermoset insulated, cross-linked polyethylene (XHHW)	2009	13		34,016	29,995		176,346
		2008			37,055	44,514		324,847
335929D102	Building wire and cable, thermoset insulated, cross-linked polyethylene (XLP, USE)	2009	13		23,314	(D)		135,163
		2008			11,236	(D)		79,182
335929D103	Building wire and cable, thermoplastic insulated, flame-retardant nylon (THHN, THWN)	2009	11		583,254	(D)		1,626,539
		2008			684,051	(D)		2,831,941
335929D104	Building wire and cable, thermoplastic insulated, moisture and heat resistant (TW, THW)	2009	6	c/	2,763	(D)	c/	10,150
		2008			3,451	(D)		15,253
335929D105	Building wire and cable, service entrance cable (SER, SEU, ASE)	2009	8		5,519	(D)		73,886
		2008			6,966	(D)		138,701
335929D106	Building wire and cable, nonmetallic branch-circuit and underground feeder, Type NM-B	2009	5		357,962	0		902,213
		2008			350,339	0		1,510,913
335929D107	Building wire and cable, nonmetallic branch-circuit and underground	2009	8		32,520	0		98,827

	feeder, type UF and NMC (corrosion-resistant)	2008			28,020	0		143,376
335929D108	Other building wire and cable	2009	11		138,011	(D)		550,408
		2008			132,392	(D)		918,461
335929F (pt.)	Control and signal wire and cable	2009	(X)	a/ r/b/	42,811	0		345,354
		2008			61,099	0		538,231
335929F101	Signal wire and cable	2009	18	a/ r/b/	21,360	0	a/	179,946
		2008			35,421	0	r/a/	328,181
335929F102	Control wire and cable, excluding elevator cable, thermoset insulated	2009	7	a/ r/a/	9,397	0		96,664
		2008			9,971	0		109,595
335929F103	Control wire and cable, excluding elevator cable, thermoplastic insulated	2009	9	a/ a/	12,054	0		68,744
		2008			15,707	0	r/	100,455
335929F (pt.)	Other insulated wire and cable	2009	(X)	c/ a/	64,506	(D)	c/	446,543
		2008			178,916	(D)		1,018,189
335929F104	Automotive wire and cable	2009	15	c/ b/	48,208	(D)	b/	212,080
		2008			113,085	(D)	a/	500,153
335929F105	Airframe, missile, shipboard, and ground support cable (excluding coaxial cable and ignition cable)	2009	11	c/ c/	4,399	(D)		86,880
		2008			10,133	(D)		92,354
335929F106	Other insulated or covered wire and cable, (n.e.c.)	2009	18		(S)	(D)		(S)
		2008			55,698	(D)		425,682
3314224	Apparatus wire and cordage 3/	2009	(X)	a/	101,951	(X)		556,463
		2008			124,074	(X)		659,853
3314224101	Flexible cordage, thermoset insulated	2009	10		27,109	(X)		189,705
		2008			14,934	(X)		111,489
3314224102	Flexible cordage, thermoplastic, including thermoplastic elastomers	2009	9		(D)	(X)		(D)
		2008			2,642	(X)		22,327
3314224103	Flexible cordage, extension cord sets	2009	4		(D)	(X)		(D)
		2008			1,425	(X)		20,592
3314224104	Power supply cords	2009	10		(D)	(X)		(D)
		2008		c/	1,732	(X)	a/	28,793
3314224105	Apparatus wire, appliance fixture wire	2009	9		(D)	(X)		(D)
		2008			42,710	(X)	a/	140,122
3314224106	Apparatus wire, appliance wiring material 14 gauge and larger, (including motor lead and transformer lead wire), thermoset and thermoplastic insulated	2009	9	a/ a/	13,101	(X)		78,003
		2008			17,894	(X)		121,842
3314224107	Apparatus wire, submersible pump cable	2009	8		14,924	(X)		85,995
		2008			17,328	(X)		121,325
3314224108	Other apparatus wire and cordage, including machine tool wire	2009	13	b/	21,741	(X)	b/	75,819
		2008			25,409	(X)	a/	93,363
331491H	Magnet wire	2009	(X)		(D)	(D)		(D)
		2008			(D)	(D)		(D)
331491H101	Magnet wire, 7 AWG and larger round, including all square and rectangular, all classes, film coated	2009	3		(D)	(D)		(D)
		2008			(D)	(D)		(D)
331491H102	Magnet wire, 8 to 21 AWG, all classes, film coated	2009	8		(D)	(D)		(D)
		2008			(D)	(D)		(D)
331491H103	Magnet wire, 22 to 32 AWG and finer, all classes, film coated	2009	8		(D)	(D)		(D)
		2008			(D)	(D)		(D)
331491H104	Magnet wire, 33 AWG & finer, all classes, film coated	2009	8		(D)	(D)		(D)
		2008			(D)	(D)		(D)
331491H105	Magnet wire, other film coated	2009	1		(D)	(D)		(D)
		2008			(D)	(D)		(D)
331491H106	Magnet wire, fibrous, all classes, nonfilm coated	2009	3		(D)	(D)		(D)
		2008			(D)	(D)		(D)
331491H107	Magnet wire, tape, all classes, nonfilm coated	2009	2		(D)	(D)		(D)
		2008			(D)	(D)		(D)
331491H108	Magnet wire, other nonfilm coated	2009	1		(D)	(D)		(D)
		2008			(D)	(D)		(D)
3359210	Insulated optical fiber cable	2009	(X)		(X)	(X)	a/	1,267,032

		2008		(X)	(X)	a/	1,371,777
3359210201	Insulated optical fiber cable, communication applications, single-mode stepped-index	2009 23		(X)	(X)		969,540
		2008		(X)	(X)		931,417
3359210202	Insulated optical fiber cable, communication applications, multimode index	2009 20		(X)	(X)	a/	284,501
		2008		(X)	(X)	r/a/	426,583
3359210203	Insulated optical fiber cable, other applications	2009 15		(X)	(X)	a/	12,991
		2008		(X)	(X)	a/	13,777
327215B	Optical fiber for data and nondata transmission	2009 (X)		(X)	(X)		724,214
		2008		(X)	(X)	r/	617,306
327215B235	Optical fiber used for data transmission	2009 13		(X)	(X)		693,565
		2008		(X)	(X)	r/	585,532
327215B238	Optical fiber used for nondata transmission	2009 9		(X)	(X)		30,649
		2008		(X)	(X)	r/	31,774

Footnotes:

1/ Gross weight includes insulating materials, but excludes packing materials.

2/ Gross weight for fiber optic cable and optical fiber is not collected.

3/ Data include the following: (a) all known establishments which insulate wire and cable and then fabricate it into finished products, NAICS product class 331491E and (b) establishments from NAICS product class 334290, that manufacture wire, cord, and flexible cord sets from purchased insulated wire.

Table 3. Shipments, Exports, and Imports of Insulated Wire and Cable
[Quantity in thousands of units. Value in thousands of dollars]

Product code 1/	Product description	Year	Manufacturers' shipments quantity		Manufacturers' shipments value	Exports of domestic merchandise quantity 2/	Exports of domestic merchandise (value at port) 2/	Imports for consumption quantity 3/	Imports for consumption value 3/ 4/
331491H10T	Magnet wire (copper)	2009	(D)		(D)	71,200	431,036	32,972	249,495
		2008	(D)		(D)	88,522	555,413	40,115	387,688
331491H11T	Magnet wire (aluminum)	2009	(D)		(D)	13,028	115,322	1,485	16,208
		2008	(D)		(D)	17,446	157,626	1,782	21,310
335929A10T	Coaxial cable	2009	57,865		1,124,361	35,564	432,564	73,667	483,584
		2008	56,540	r/	1,407,142	42,828	573,385	79,718	612,245
335921020T	Insulated optical fiber cable	2009	(X)	a/	1,267,032	602,094	499,134	507,975	399,630
		2008	(X)	a/	1,371,777	589,336	517,752	1,421,339	550,531
327215B23T	Optical fiber for data and nondata transmission	2009	(X)		724,214	129,151	406,885	46,997	24,394
		2008	(X)	r/	617,306	168,239	324,175	102,930	28,020

Footnotes:

1/ For comparison of North American Industry Classification System-based product codes with Schedule B export numbers and HTSUSA import numbers, see Table 4.

2/ Source: Census Bureau report EM 545, U.S. Exports.

3/ Source: Census Bureau report IM 145, Imports for Consumption.

4/ Dollar value represents the c.i.f. (cost, insurance, and freight) value at the first point of entry in the United States plus U.S. import duties.

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes

Combined code	Product code	Product description	Export code 1/	Import code 2/
331491H10T	331491H101	Magnet wire (copper)	8544.11.0020	8544.11.0020
	331491H102		8544.11.0030	8544.11.0030
	331491H103		8544.11.0050	8544.11.0050
	331491H104			
	331491H105			
	331491H106			
	331491H107			
	331491H108			
331491H11T	331491H101	Magnet wire (aluminum)	8544.19.0000	8544.19.0000
	331491H102			
	331491H103			
	331491H104			
	331491H105			
	331491H106			
	331491H107			
	331491H108			
335929A10T	335929A101	Coaxial cable	8544.20.0000	8544.20.0000
	335929A104			
335921020T	3359210201	Optical fiber cable	8544.70.0000	8544.70.0000
	3359210202			
	3359210203			
327215B23T	327215B235	Optical fiber for data and nondata transmissi	9001.10.0000	9001.10.0075
	327215B238			

Footnotes:

1/ Source: 2009 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/ Source: Harmonized Tariff Schedule of the United States, Annotated (2009).

Symbols:

- (D) - Withheld to avoid disclosing data of individual companies.
- (X) - Not applicable.
- (NA) - Not available.
- r/ - Revised by 5 percent or more from previously published data.
- (n.e.c.) - Not elsewhere classified.
- (n.s.k.) - Not specified by kind.
- (nehp) - Net engine horsepower
- (btuh) - British thermal units per hour
- (pt.) Part.

Estimation symbols - Percent of estimation for each item is indicated as follows:

- a/ - 10 to 19 percent of this item has been estimated.
- b/ - 20 to 29 percent of this item has been estimated.
- c/ - 30 to 49 percent of this item has been estimated.
- (S) - Withheld because estimates did not meet publication standards

HISTORICAL NOTE

The Census Bureau has collected data on insulated wire since 1965.

Historical Current Industrial Reports data may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.