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REPORT FOR CALENDAR YR 2006
 U.S. DEPARTMENT OF COMMERCE
 BUREAU OF THE CENSUS
 FORM **MA335J**
CURRENT INDUSTRIAL REPORTS
 INSULATED WIRE AND CABLE
 (Including Fiber Optics)
 Annual Report

The 8-digit number that appears above indicates that the Office of Management and Budget has approved this survey. If that number is not displayed, do not complete this form. YOUR RESPONSE IS REQUIRED BY LAW (Title 13, United States Code). By section 9 of the same law, YOUR REPORT IS CONFIDENTIAL. It may be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this establishment's report, please refer to the 11 digit Identification Number (ID)

If you have questions regarding this report form please contact:
 amanda ganster ext 2
 1(800)201-4647

EMPLOYER IDENTIFICATION (EI) NUMBER. Identification number used on Employer's Quarterly Federal Tax Return (U.S. Treasury Department Form 941) **(Enter if not shown, correct if wrong.)**

CONTACT PERSON (Enter information if not shown, correct if wrong.)
 Name ATTN: Controller
 Area code Number
 Fax number

(Please correct any error in name and address including ZIP Code)

Enter or correct email address: [_____]

PART I FOR EACH ITEM LISTED BELOW, ENTER FIGURES OR "0" for current period. (The figures shown in the shaded areas were reported for the previous two periods.) PLEASE REFER TO THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT FORM.

Item (Product code - Description)	Item code	Report period	SECTIONS I-VIII- Total Shipments of Insulated Wire & Cable, except magnet wire				Inter-plant xfers Value \$1000	Value \$1000	Value \$1000
			-{Incl. Copper content M lbs	interplant Aluminum content M lbs.	trans.}- Value \$1000	Value \$1000			
			1	2	3	4	5	6	
SECTION I - ELECTRONIC WIRE & CABLE INCL. PRODUCTS FABRICATED FROM WIRE & CABLE {EXCL. FIBER OPTICS}									
335929A130-Flexible coaxial cable, 135 C & over, armored or nonarmored, flexible	2213	2006		XXXXX		XXXXX			
		2005		XXXXX		XXXXX			
		2004		XXXXX		XXXXX			
335929A140-Flexible coaxial cable, under 135 C, armored or nonarmored	2221	2006		XXXXX		XXXXX			
		2005		XXXXX		XXXXX			
		2004		XXXXX		XXXXX			
335929A170-Hook-up wire, 135 C & over temp. rating {single conductor, shielded & nonshielded}	2245	2006		XXXXX		XXXXX			
		2005		XXXXX		XXXXX			
		2004		XXXXX		XXXXX			

* Figures not received when form was prepared. PLEASE ENTER, if not previously submitted.

CURRENT INDUSTRIAL REPORTS - Continued

PART I - Continued

Item (Product code - Description)	Item code	Report period	SECTIONS I-VIII- Total Shipments of Insulated Wire & Cable, except magnet wire					
			-{Incl. Copper content M lbs}	interplant Aluminum content M lbs.	trans.}- Value \$1000	Inter-plant xfers Value \$1000		
			1	2	3	4	5	6
335929A180-Hook-up wire under 135 C temp. rating, 16 AWG & smaller {single conductor shielded & nonshielded}	2250	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
335929A190-Multiconductor flat & ribbon cable {shielded & nonshielded}	2253	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
335929A1A0-Other multiconductor shielded cable, 135 C & over temp. rating	2255	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
335929A1B0-Other multiconductor shielded cable, under 135 C temp. rating	2260	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
335929A1C0-Other multiconductor nonshielded cable, 135 C & over temp. rating	2265	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
335929A1D0-Other multiconductor nonshielded cable, under 135 C temp. rating	2270	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
335929A1E0-Other elect. wire & cable, incl antenna lead in wire & prods. fabricated from wire & cable{excl fiber optic}	2272	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
X X X-Total electronic wire and cable {sum of codes 2213-2272}	2298	2006						
		2005						
		2004						
Section II-TELEPHONE & TELEGRAPH WIRE & CABLE INCL. PRODUCTS FABRICATED FROM WIRE & CABLE {EXCL. FIBER OPTICS}								
335929B120-Station wire & cable	2503	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		

CURRENT INDUSTRIAL REPORTS - Continued

PART I - Continued

Item (Product code - Description)	Item code	Report period	SECTIONS I-VIII- Total Shipments of Insulated Wire & Cable, except magnet wire					
			-{Incl. Copper content M lbs	interplant Aluminum content M lbs.	trans.}- Value \$1000	Inter-plant xfers Value \$1000		
			1	2	3	4	5	6
335929B140-Inside wiring cable	2509	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
335929B181-Other telephone and telegraph wire and cable	2513	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
X X X-Total telephone and telegraph wire and cable {sum of codes 2503-2513}	2598	2006						
		2005						
		2004						
Section III-POWER WIRE & CABLE {EXCL. FIBER OPTICS}, INCLUDING PORTABLE								
3359291810-Paper insulated cable {all types, all voltages}	3201	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
3359291820-Portable welding cables, 2 KV or less, plastic & rubber insulated	3203	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
3359291830-Underground distribution cable {UD, URD}, all insulations, 2 KV or less	3219	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
3359291840-Thermoplastic insulated power cable {exclude underground}, 2 KV or less	3231	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
3359291850-Armored, rubber & cross-linked, thermoset, insulated power cable	3233	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
3359291860-Unarmored, rubber {exclude single conductor UL labeled USE}, thermoset, insulated power cable	3235	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		

CURRENT INDUSTRIAL REPORTS - Continued

PART I - Continued

Item (Product code - Description)	Item code	Report period	SECTIONS I-VIII- Total Shipments of Insulated Wire & Cable, except magnet wire					
			-{Incl. interplant Copper content M lbs}	trans.}- Aluminum content M lbs.	Value \$1000	Inter-plant xfers Value \$1000		
			1	2	3	4	5	6
3359291870-Unarmored, cross-linked, thermoset, insulated power cable	3245	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
3359291890-Weatherproof plastic and rubber insulated cable	3249	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
3359291891-Service drop cable, thermoset and thermoplastic insulated	3257	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
33592918C0-Underground distribution cable {UD, URD}, all insulations {jacketed & unjacketed} over 2 KV	3263	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
33592918E0-Armored, rubber & x-linked {excl.underground}, thermoset insulated power cable, 2KV to 15KV	3267	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
33592918F0-Unarmored, rubber {exclude single conductor UL labeled USE} thermoset insulated pwr cable 2 to 15KV	3271	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
33592918G0-Unarmored, cross linked, {excl. underground}, thermoset insulated power cable 2 to 15 KV	3273	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
33592918H0-Over 15.1 KV, rubber & cross linked thermoset insulate power cable	3275	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
33592918I0-Other power wire and cable, INCLUDING PORTABLE	3279	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
X X X -Total power wire and cable, including portable {sum of codes 3201-3279}	3298	2006						
		2005						
		2004						

CURRENT INDUSTRIAL REPORTS - Continued

PART I - Continued

Item (Product code - Description)	Item code	Report period	SECTIONS I-VIII- Total Shipments of Insulated Wire & Cable, except magnet wire				5	6
			-{Incl. interplant Copper content M lbs}	interplant Aluminum content M lbs.	trans.}- Value \$1000	Inter-plant xfers Value \$1000		
			1	2	3	4		
Section V-CONTROL AND SIGNAL WIRE AND CABLE								
335929C110-Signal wire and cable	4111	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
335929C120-Thermoset insulated control wire & cable {ex. elevator cable}	4115	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
335929C130-Thermoplastic insulated control wire & cable {ex. elevator cable}	4119	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
X X X-Total control and signal wire and cable {sum of codes 4111-4119}	4198	2006						
		2005						
		2004						
Section VI-BUILDING WIRE AND CABLE {EXCLUDE FIBER OPTICS}								
335929D110-Cross-linked polyethylene {XHHW} thermoset insulated	4242	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
335929D120-Cross-linked polyethylene {XLP, USE}, thermo set insulated	4244	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
335929D130-Flame-retardant nylon {THHN, THWN}, thermoplastic insulated	4246	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
335929D140-Moisture & heat resistant {TW, THW}, thermoplastic insulated	4248	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		

CURRENT INDUSTRIAL REPORTS - Continued

PART I - Continued

Item (Product code - Description)	Item code	Report period	SECTIONS I-VIII- Total Shipments of Insulated Wire & Cable, except magnet wire					
			-{Incl. Copper content M lbs}	interplant Aluminum content M lbs.	trans.}- Value \$1000	Inter-plant xfers Value \$1000		
			1	2	3	4	5	6
335929D150-Service entrance cable {SER, SEU, ASE}	4254	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
335929D160-Type NM-B-circuit building wire & cable	4256	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
335929D170-Type UF & NMC {corrosion resistant}, building wire & cable	4258	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
335929D191-Other building wire and cable, including metallic armored {AC & MC type}	4265	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
X X X-Total building wire and cable {sum of codes 4242-4265}	4298	2006						
		2005						
		2004						
Section VII-APPARATUS WIRE & CORDAGE INCLUDING PRODUCTS FABRICATED FROM WIRE & CABLE EXCLUDE FIBER OPTICS								
331491F110-Thermoset insulated, flexible cordage	5221	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
331491F120-Thermoplastic {include thermoplastic elastomers} flexible cordage	5223	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
331491F180-Extension cord sets	5225	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
331491F190-Fixed power supply cords	5227	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		

CURRENT INDUSTRIAL REPORTS - Continued

PART I - Continued

Item (Product code - Description)	Item code	Report period	SECTIONS I-VIII- Total Shipments of Insulated Wire & Cable, except magnet wire					
			-{Incl. Copper content M lbs}	interplant Aluminum content M lbs.	trans.}- Value \$1000	Inter-plant xfers Value \$1000		
			1	2	3	4	5	6
331491F1A0-Detachable power supply cords	5231	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
331491F1B0-Retractable power cords	5233	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
331491F130-Appliance fixture wire, apparatus wire	5235	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
331491F145-Thermoset and thermoplastic insulated appliance wiring material, 14 gauge and larger	5240	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
331491F160-Submersible pump cable, apparatus wire	5243	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
331491F170-Other apparatus wire and cordage {include machine tool wire}	5247	2006		XXXXX		XXXXX		
		2005		XXXXX		XXXXX		
		2004		XXXXX		XXXXX		
X X X-Total apparatus wire and cordage {sum of codes 5221-5247}	5298	2006						
		2005						
		2004						
Section VIII-OTHER INSULATED WIRE & CABLE INCLUDING PRODUCTS FABRICATED FROM WIRE & CABLE {EXCLUDE FIBER OPTICS}								
335929E110-Bulk automotive primary wire	5310	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		
335929E120-Bulk battery cable	5312	2006				XXXXX		
		2005				XXXXX		
		2004				XXXXX		

CURRENT INDUSTRIAL REPORTS - Continued

PART I - Continued

Item (Product code - Description)	Item code	Report period	SECTIONS I-VIII- Total Shipments of Insulated Wire & Cable, except magnet wire						
			- {Incl. interplant trans.} -		Interplant xfers				
			Copper content M lbs	Aluminum content M lbs.	Value \$1000	Value \$1000			
			1	2	3	4	5	6	
335929E130-Bulk ignition wire	5315	2006				XXXXX			
		2005				XXXXX			
		2004				XXXXX			
335929E140-Other automotive wire and cable	5318	2006				XXXXX			
		2005				XXXXX			
		2004				XXXXX			
335929E150-Airframe & missile cable {include ground support cable}	5324	2006				XXXXX			
		2005				XXXXX			
		2004				XXXXX			
335929E160-Shipboard cable	5328	2006				XXXXX			
		2005				XXXXX			
		2004				XXXXX			
335929E170-Other insulated wire and cable, not elsewhere classified	5331	2006				XXXXX			
		2005				XXXXX			
		2004				XXXXX			
X X X-Total other insulated wire and cable {sum of codes 5310-5331}	5398	2006							
		2005							
		2004							
			SECTION IX - Total Shipments of Magnet Wire						
			-- {Include Interplant Transfers} --				Interplant trans.		
			Copper		Aluminum		Copper	Aluminum	
			M lbs	Value	M lbs	Value	M lbs	M lbs	
			gross wt.	\$1000	gross wt.	\$1000	gross wt.	gross wt	
Section IX-MAGNET WIRE {Incl. insulated magnet sheet, strip, & foil but exclude fiber optics}									
331491H110- 7 AWG & larger round {incl all square & rectangular} class 105 and below, film coated	6106	2006							
		2005							
		2004							

CURRENT INDUSTRIAL REPORTS - Continued

PART I - Continued

Item (Product code - Description)	Item code	Report period	SECTION IX - Total Shipments of Magnet Wire					
			--{Include Interplant Transfers}-- Copper		Aluminum		Interplant trans.	
			M lbs gross wt.	Value \$1000	M lbs gross wt.	Value \$1000	M lbs gross wt.	M lbs gross wt.
			1	2	3	4	5	6
331491H120- 8-21 AWG, class 105 & below, film coated	6108	2006						
		2005						
		2004						
331491H135- 22-33 AWG and finer, class 105 & below, film coated	6113	2006						
		2005						
		2004						
331491H160-8-21 AWG, class 130-155, film coated	6119	2006						
		2005						
		2004						
331491H170- 22-32 AWG, class 130-155, film coated	6121	2006						
		2005						
		2004						
331491H180- 33 AWG & finer, class 130-155, film coated	6125	2006						
		2005						
		2004						
331491H190- 7 AWG & larger round, {incl. all square & rectang} class 180 & above, film coated	6130	2006						
		2005						
		2004						
331491H1A0- 8-21 AWG, class 180 & above, film coated	6133	2006						
		2005						
		2004						
331491H1B0- 22-32 AWG, class 180 & above, film coated	6154	2006						
		2005						
		2004						
331491H1C0- 33 AWG & finer, class 180 & above, film coated	6155	2006						
		2005						
		2004						
331491H1C2-Other film coated	6157	2006						
		2005						
		2004						

CURRENT INDUSTRIAL REPORTS - Continued

PART I - Continued

Item (Product code - Description)	Item code	Report period	SECTION IX - Total Shipments of Magnet Wire					
			--{Include Interplant Transfers}-- Copper		Aluminum		Interplant trans.	
			M lbs gross wt.	Value \$1000	M lbs gross wt.	Value \$1000	M lbs gross wt.	M lbs gross wt.
			1	2	3	4	5	6
331491H1D0-Fibrous, class 130 & below, nonfilm coated	6168	2006						
		2005						
		2004						
331491H1E0-Tape, class 130 & below, nonfilm coated	6172	2006						
		2005						
		2004						
331491H1F0-Fibrous, class 155 & above, nonfilm coated	6174	2006						
		2005						
		2004						
331491H1G0-Tape, class 155 & above, nonfilm coated	6176	2006						
		2005						
		2004						
331491H1H0-Other non-film coated	6188	2006						
		2005						
		2004						
X X X-Total magnet wire {sum of codes 6106 - 6188}	6199	2006						
		2005						
		2004						
			SECTION X - Total Shipments of Fiber Optical Cable					
			Qty cable conductor of kilometers 1000		Value of cable \$1000			
Section X-FIBER OPTICAL CABLE								
3359210125-Dispersion shifted, single-mode stepped-index, communication applications	8101	2006						
		2005						
		2004						

PART I - Continued								
Item (Product code - Description)	Item code	Report period	SECTION XI - Total Shipments of Optical Fiber					
			Value					
			\$1000					
			1	2	3	4	5	6
999998900-Resales-Sales of products bought & sold w/o further manufacture, processing, or assembly	9973	2006	XXXXX					
		2005	XXXXX					
		2004	XXXXX					

If all your items are not listed, please use additional lines or a blank sheet of paper.

PART II Has there been any change in the ownership or operation of this establishment during this period?
 Yes - Indicate type of change below. No - Skip to Part III.

	Name of company	Address (Number and street, city, State, ZIP Code)	Date of change
A. <input type="checkbox"/> Purchased from			
B. <input type="checkbox"/> Sold to			
C. <input type="checkbox"/> Plant discontinued all operations	Date		
D. <input type="checkbox"/> Plant operations no longer covered by this survey - Describe in "Remarks" the products currently produced.			
E. <input type="checkbox"/> Reorganized - Describe in "Remarks;" e.g., partnership change or change in corporate status.			

PART III Do the figures shown on this report and on your last report cover the identical establishments?
 Yes No - Indicate reasons for difference in "Remarks."

PART IV Remarks

PART V CERTIFICATION - This report is substantially accurate and has been prepared in accordance with instructions.

Signature of authorized official	Title	Date
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Complete and return this form in the envelope provided or to: **Bureau of the Census, 1201 East Tenth Street, Jeffersonville, IN 47132**

NOTE: Please make a photocopy of this for your records.

CURRENT INDUSTRIAL REPORTS SERIES

2006

MA335J — INSULATED WIRE AND CABLE (SHIPMENTS)

DEFINITIONS AND SPECIAL INSTRUCTIONS

1. Scope of survey

This survey covers establishments manufacturing and fabricating insulated wire and cable and/or apparatus wire and cordage with a copper/copper clad or aluminum/aluminum clad core. This survey also includes optical fiber cable.

2. Figures to be reported

We prefer that a separate report be filed for each establishment. However, if you wish, you may combine two or more establishments in a single report. If you do file a combined report, you should report transfers in between the various plants as interplant transfers in sections I–VIII. Such shipments should also be included, as provided below, in those data which represent "total shipments, including interplant transfers."

If you manufacture apparatus wire and cordage, you should report:

If you buy wire and insulate it and/or
If you buy wire already insulated,

You should report all shipments (including both domestic and export) of insulated or covered wire and cable for transmitting electrical energy, signals, or communication. Exclude bare and tinned wire and cable and ACSR.

Report interplant transfers for those shipments "shipped" for use by your own company, an affiliate, subsidiary, or parent company. The interplant transfer figure should also be included with "total shipments including interplant transfers."

Transfers to sales branch location should be excluded from interplant transfers but should be included in shipments to other companies.

Exclude resales — products bought and sold without further manufacture.

The value of the products shipped should be based on the net selling value, f.o.b. plant, after discounts and returns and allowances. Freight charges and excise taxes should be excluded.

Be sure to sum all of the items designated under the indicated product groups that you have reported. This total should agree with your shipments for that section. If your shipments are greater than the individual items you have reported, you may have omitted an item(s). If this is the case, please insert those items omitted. If, however, your shipments are less than the individual item reported, you may have double counted one or more items.

Item
code Product group

2298 Total electronic wire and cable
2598 Total telephone and telegraph wire and cable
3298 Total power cable
4012 Total portable power cable
4198 Total control and signal wire and cable
4298 Total building wire and cable
5298 Total apparatus wire and cable
5398 Total other wire and cable
6199 Total magnet wire
8199 Total optical fiber cable
9103 Total optical fiber for data and nondata transmissions

3. Columnar structure of report

When posting your figures to the report, please be sure to report the information in the correct columns. These are:

SECTIONS I–VIII — INSULATED WIRE AND CABLE, OTHER THAN MAGNET WIRE AND OPTICAL FIBER CABLE

Column 1 — Copper content (excluding insulation) in thousands of pounds for total shipments, including interplant transfers

Column 2 — Aluminum content (excluding insulation) in thousands of pounds

For sections I, II, V, and VII, report quantity of aluminum content for:

Item code 2298 — Total electronic wire and cable
Item code 2598 — Total telephone and telegraph wire and cable

Item code 4198 — Total control and signal wire and cable

Item code 5298 — Total apparatus wire and cordage

Metal content of "copper clad aluminum" should be reported in the aluminum column.

Column 3 — Value in thousands of dollars for total shipments, including interplant transfer. Example: \$1,000,000, report as \$1,000.

Column 4 — Value in thousands of dollars for interplant transfers, excluding shipments to sales branches (Total only)
Example: \$1,000,000, report as \$1,000.

SECTION IX — MAGNET WIRE (Item codes 6106–6199)

You should report products with thermal ratings falling between those listed in the report under the next lower rating, except that products with a thermal rating of less than 105 C should be included with 105 C products.

CURRENT INDUSTRIAL REPORTS SERIES

MA335J

DEFINITIONS AND SPECIAL INSTRUCTIONS — Continued

3. Columnar structure of report — Continued

SECTION IX - MAGNET WIRE (Item codes 6106–6199) — Continued

The U.S. Government specification for magnet wire, MW 1000, should be used as the guide for determining the thermal classification of magnet wire.

Column 1 — Quantity of copper wire in thousand pounds gross weight (including insulation) for total shipments including interplant transfers

Column 2 — Value of copper wire (including insulation) in thousands of dollars for total shipments including interplant transfers. Example: \$1,000,000, report as \$1,000.

Column 3 — Quantity of aluminum wire in thousand pounds gross weight (including insulation) for total shipments including interplant transfers

Column 4 — Value of aluminum wire (including insulation) in thousands of dollars for total shipments including interplant transfers. Example: \$1,000,000, report as \$1,000.

Column 5 — Quantity of copper wire in thousand pounds gross weight for interplant transfers, excluding shipments to sales branches

Column 6 — Quantity of aluminum wire in thousand pounds gross weight for interplant transfers, excluding shipments to sales branches

SECTION X — OPTICAL FIBER CABLE (Item codes 8101–8199)

This section provides for the collection of insulated optical fiber cable.

Column 1 — Quantity (Report thousands of Cable Conductor Kilometers (CCKM)).

Column 2 — Value (Report in thousands of dollars the value of optical fiber cable, including insulation). Example: \$1,000,000, report as \$1,000.

SECTION XI — OPTICAL FIBER (Item codes 9101–9103)

This section provides for the collection of optical fiber.

Column 2 — Value (Report in thousands of dollars the value of optical fiber). Example: \$1,000,000, report as \$1,000.

4. Definitions

INSULATED WIRE — A rod of drawn metal filament covered with insulation.

INSULATED CABLE — A number of conductors twisted or grouped together.

Dual rated products should be classified according to their higher ratings.

Multi-insulated cables should be classified according to their primary insulation, i.e., the layer of material designed to do the electrical insulating, usually the first layer of material applied over the conductor.

GROSS WEIGHT — *Include* insulating materials but *exclude* packaging materials.

INSULATION — A non-conductive material usually surrounding or separating two or more conductive materials.

THERMOPLASTIC — Insulation that will soften and distort from its formed shape by heating above a critical temperature peculiar to the material.

THERMOSETTING — Insulation that will not resoften or distort from its formed shape by heating until a destructive temperature is reached.

ARMOR — The outer layer of a cable applied for mechanical protection, usually consisting of a layer or layers of a metallic tape, braid, or several wires.

CROSS-LINKED — Intermolecular bonds produced between long chain molecules in a material to increase molecular size by chemical or electron bombardment, resulting in a change in physical properties in the material usually improved properties.

ELASTOMER — Any elastic rubber-like substance, such as natural or synthetic rubber; when stretched to twice its length will resume approximately the original shape.

JACKET — A covering put around an insulated conductor for the purpose of protection and/or resistance.

INSULATED WIRE AND CABLE — All insulated wire and cable for transmitting electrical energy, signals, or communications. Exclude bare and tinned wire and cable and ACSR.

ELECTRONIC WIRE AND CABLE — All single and multi-conductor wire and cable used for transmission, reception, or reproduction of electrical frequencies (16 gauge and smaller). Excludes telephone cable. See Apparatus Wire and Cordage for larger gauges.

SEMI-RIGID — A cable containing a flexible inner core and a relatively inflexible sheathing.

COAXIAL CABLE — Cable consisting of two or more cylindrical conductors with a common axis. The two conductors are separated by a dielectric for use as high

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DEFINITIONS AND SPECIAL INSTRUCTIONS — Continued

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4. Definitions — Continued

COAXIAL CABLE – Continued

frequency transmission lines and communication systems.

HOOK-UP WIRE, SINGLE CONDUCTOR — Single conductor wire (16 AWG and smaller) used for internal equipment wiring.

RIBBON CABLE — A cable consisting of two or more conductors laid parallel in one plane and held in place by the insulation or some other means.

MULTI-CONDUCTOR CABLE — More than one conductor within a single cable complex.

SHIELDED CABLE — Constructed so that substantially every point on the insulation is at ground potential or some pre-determined potential with respect to ground.

TELEPHONE WIRE AND CABLE — All wires and cables used in the telephone industry to transmit, receive, and monitor communications signals. Excludes coaxial and other electronic wire and cable.

DROP WIRE — Service drop from pole to subscribers house: parallel, twisted or dumbbell style.

BRIDLE WIRE — For connection of open wire and terminals or protectors and as apparatus leads.

TELEPHONE CORD SETS — Cut lengths of wire with terminals or connectors for use in telephone hand or head set applications and telephone line cords.

POWER CABLE (2kv or less) — Single and multi-conductor cable rated 2kv or less, sizes 14AWG and larger, insulated with thermosetting or thermoplastic insulation, and with or without a metallic armor overall.

Include:

- Airport lighting cable
- Bus drop cable
- Cathodic protection cable
- Network cable
- Oil tray cable
- Overhead line wire
- Pole and bracket cable
- Power tray cable
- Service drop and secondary cable (8AWG or larger)
- Submarine power cable (8AWG or larger)
- Submersible pump or water well cable (8AWG or larger)
- Weatherproof cable

Exclude:

- Insulated single conductor with UL label
- Secondary underground distribution cables
- Single conductor multiplexed or paralleled reported as 0–2kv BX and AC wire

POWER CABLE (2.1–15kv) — Single and multiconductor cable rated 2.1–1.5kv, in sizes 8AWG and larger, insulated with dielectric insulation, either thermosetting or thermoplastic, shielded or unshielded, jacketed or unjacketed and armored or unarmored.

Include

- Aerial spacer cables
- Airport lighting cable
- Oil well cable — armored and unarmored
- Pole and bracket cable
- Power cable
- Street lighting cable
- Submarine power cable

Exclude

- Portable power cables
- UD cables
- Mine power feeder cable

POWER CABLE (over 15kv) — Single and multi-conductor cable rated 15.1kv and over, in sizes 2AWG and larger, insulated with dielectric insulation, thermosetting, shielded or unshielded, jacketed or unjacketed and armored or unarmored.

Include

- Power cable
- Submarine power cable

Exclude

- Portable power cables
- UD cables
- Mine power feeder cable

POWER CABLE, UNDERGROUND CABLE (US) 0–2KV (UL listed, single conductor cable) — Single, multiplex, or paralleled solid dielectric insulated cable with or without concentric neutral (either thermosetting or thermoplastic insulation) rated 0–2kv and specifically used for residential and/or commercial underground services and/or feeders. Exclude single conductor UL labeled USE.

POWER CABLE, UNDERGROUND CABLE (US) OVER 2KV — Single, multiplex, or paralleled solid dielectric insulated cable with or without concentric neutral (either thermosetting or thermoplastic insulation) rated over 2kv and designated for use as a primary distribution cable in underground locations.

4. Definitions — Continued

CONTROL AND SIGNAL WIRE AND CABLE — Any solid dielectric insulated (thermosetting or thermoplastic), jacketed or unjacketed cable, multi-conductor, rated 2500V or less, sized 22AWG through 9AWG, utilized to operate control valves and relays, or to implement or record an event (but does not supply the energy being controlled in the event); also utilized to actuate, power and control railroad signaling, warning or crossing protective devices; or utilized to actuate or control fire alarm circuits.

Include

- Signal cable —
less than 16AWG or less than 2kv
- Control cable — 9AWG and smaller, 2kv or less than 300V
- Fire alarm cable
- Submarine control cable
- Instrumentation cable
- Railroad signal cable
- Traffic control and signal cable

PORTABLE CROSS LINKED JACKETED CABLE

Include

- Shielded and non-shielded
- Round types: SO, W, G, PG, PCG, SH, AND SH-A, B, C, D, and GGC
- Types SO, SJO, AND SJO shielded and unshielded
- Twin or triple types W and G
- Locomotive Gathering reel
- Battery
- Concentric
- Elevator Control
- Grounding cable
- High tension
- Trolley bus
- Magnet Crane
- Motor Lead
- Power Jumper
- Railway Utility
- Sand Cutter
- Train Jumper

PORTABLE NON-CROSS LINKED JACKETED CABLE —

All portable cable not bearing UL flexible cord or appliance wiring material label. Include thermoplastic mining machine cable; thermoplastic and thermoset mine power feeder. Exclude welding cable.

BUILDING WIRE — All wire and cable (601 volts or less) used within structures for light and power for permanent installation. Includes service entrance cable.

APPARATUS WIRE AND CABLE — Insulated wire and cable used in connecting electrical apparatus to a power source, and appliance wiring material (22 AWG and heavier including motor lead and transformer lead wire).

See electronic wire and cable for appliance wiring material finer than 22 AWG.

CORD SETS — Portable cords, fitted with any type of wiring device at one or both ends.

CORD — A small, flexible, multiple-conductor cable.

APPLIANCE WIRING MATERIAL — Insulated wire and cable intended for internal wiring of appliances and equipment.

FLEXIBLE CORDAGE (Flexible cord, portable cord, or appliance cord) — Cordage of two or more conductors, normally used for electrical and electronic appliances, tools, and business machines.

OTHER APPARATUS WIRE AND CORDAGE (Including machine tool wire) — Other types such as battery cable: non-transportation uses, defroster wire, and electric furnace cable.

OTHER WIRE AND CABLE — Includes bulk automotive battery and ignition wire, elevator hatch and traveling cable, weatherproof cable, and air-frame, shipboard, and ground support cable.

BULK AUTOMOTIVE PRIMARY WIRE — Used for low voltage lighting and control circuits, including wiring for automotive harnesses.

BULK BATTERY CABLE — Used for positive and negative cables, switch to starter cables.

BULK IGNITION WIRE — High tension (5mm or 7mm) shielded or unshielded for internal combustion engines.

BATTERY CABLE SETS — Cut lengths of wire with ends prepared for connection between automotive battery and starter, battery and battery, battery and ground or switch to starter.

MAGNET WIRE, including insulated magnet strip conductor — all insulated wire of the type generally used in the winding of coils, including Litz wire and including insulated magnet sheet, strip, and foil. The thermal classification for bondable wires should be determined by the underlying insulation. Also, the combination (film-fabric) product should be classified based on the insulation on the top side.

LITZ WIRE — Litz wire refers to multistrand construction of small gauge film insulated wire that is precision twisted. This construction minimizes the power loss related to the "skin effect" of current at radio frequencies.

OPTICAL FIBER — Optical Fiber used for data purposes — A long thin strand of transparent glass, plastic or other materials usually consisting of a fiber optical core and a fiber optical cladding capable of conducting light along its

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DEFINITIONS AND SPECIAL INSTRUCTIONS

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4. Definitions — Continued

OPTICAL FIBER – Continued

axial length by internal reflection, used in the transmission of voice, video, and/or data information.

ALL GLASS OPTICAL FIBER (single mode) — An optical fiber consisting of a glass core and glass cladding that supports the propagation of only one mode, or ray, of light at a time.

ALL GLASS FIBER (multimode) — An optical fiber consisting of a glass core and a glass cladding that supports the propagation of more than one mode, or ray, of light at a time.

PLASTIC CLAD GLASS FIBER — An optical fiber with a glass core and a plastic optical cladding.

ALL PLASTIC OPTICAL FIBER — An optical fiber consisting of a plastic optical core and a plastic optical cladding.

NONCOHERENT BUNDLE — A collection of optical fibers arranged randomly for the purpose of transmitting light but not images.

COHERENT BUNDLE — A collection of optical fibers arranged non-randomly to permit the transmission of images, excluding faceplates and sensors.

FACEPLATE — A fused coherent bundle used for the transmission of images over a short distance, excluding sensors.

SENSORS — Optical fibers used in apparatus designed to detect or sense environmental effects such as pressure, temperature, magnetic, electric fields, rotation, etc.

5. Abbreviations

C	Centigrade
AWG	American wire gauge
UD	Underground distribution
URD	Underground residential distribution
UL	Underwriters laboratory
USE	Underground service entrance cable, 75 c wet location
KV	Kilovolt (1000 volts)
R	Rubber insulated
RH	Rubber insulated, heat resistant cable, 75 c dry location
RHH	Rubber insulated, heat resistant cable, 90 c dry locations
RHW	Rubber insulated, heat and moisture resistant, 75 c dry and wet locations
XHHW	Cross-linked polyethylene insulated, 90 c dry location, 75 c wet location
THHN	Thermoplastic insulated, high heat resistant, nylon jacketed cable, 90 c dry location.
THWN	Thermoplastic insulated, heat and moisture resistant, nylon jacket cable, 75 c dry and wet location
TW	Thermoplastic insulated, moisture resistant cable, 60 c wet or dry location
THW	Thermoplastic insulated, heat and moisture resistant cable, 75 c dry and wet location
SER	Round service entrance cable (rubber)
SEU	Service entrance cable (unarmored)
SEA	Service entrance cable (armored)
NM	Designation for nonmetallic sheathed cable, building wire
NMC	Nonmetallic sheathed cable, corrosion resistant, 60 c wet or dry location
UF	Underground feeder cable, thermoplastic insulated, 60 c wet or dry location
AC	Alternating current
MI	Mineral insulated 85 c dry and wet location, 250 c special application
PIC	Thermoplastic insulated
PULP	Paper and pulp insulated

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DEFINITIONS AND SPECIAL INSTRUCTIONS

6. Comparability

If you also report in the Annual Survey of Manufactures (Form MA-10000), the sum of values for item codes shown in column (a) should correspond to the dollar values reported under product class codes in column (b) below:

Current Industrial Report (Form MA335J) Item codes (a)	Annual Survey of Manufactures Product class codes (b)
2230 through 2272	335929A
2503 through 2513	335929B
3201 through 4012	3359291
4111 through 4119	335929C
4242 through 4265	335929D
5221 through 5247	331491F
5310 through 5331	335929E
¹ 6106 through 6188	331491H
8101 through 8120	3359210
9101 through 9102	327215B

¹ For these item codes sum of columns 2 and 4

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REFERENCE LIST

FORM MA335J		
INSULATED WIRE AND CABLE (SHIPMENTS)		
Product code	Item code	Item description
Section I — ELECTRONIC WIRE AND CABLE, INCLUDING PRODUCTS FABRICATED FROM WIRE AND CABLE (Exclude fiber optics)		
335929A130	2213	Electronic coaxial cable, armored or nonarmored, flexible: 135 C and over
335929A140	2221	Under 135 C
335929A160	2240	Antenna lead-in wire
335929A170	2245	Hook-up wire, (single conductor, shielded and nonshielded): 135 C and over temperature rating
335929A180	2250	Under 135 C temperature rating, 16 AWG and smaller
335929A190	2253	Multiconductor electronic wire and cable (shielded and unshielded): Flat and ribbon cable Other multiconductor electronic wire and cable:
335929A1A0	2255	Shielded: 135 C and over temperature rating
335929A1B0	2260	Under 135 C temperature rating
335929A1C0	2265	Nonshielded: 135 C and over temperature rating
335929A1D0	2270	Under 135 C temperature rating
335929A1E0	2272	Other electronic wire and cable, including products fabricated from wire and cable (excluding fiber optics)
XXX	2298	Total electronic wire and cable (Sum of item codes 2213–2270)
Section II — TELEPHONE AND TELEGRAPH WIRE AND CABLE, INCLUDING PRODUCTS FABRICATED FROM WIRE AND CABLE (Exclude fiber optics)		
335929B120	2503	Station wire and cable
335929B140	2509	Inside wiring cable
335929B181	2513	Other telephone and telegraph wire and cable, including products fabricated from wire and cable (excluding fiber optics)
XXX	2598	Total telephone and telegraph wire and cable (Sum of item codes 2503–2513)
Section III — POWER WIRE AND CABLE (Exclude fiber optics)		
3359291810	3201	Paper insulated cable (all types, all voltages)
3359291820	3203	Plastic and rubber insulated: 2 KV or less: Portable welding cable
3359291830	3219	Underground distribution cable (UD, URD), all insulations (jacketed and unjacketed, excluding single conductor UL labeled USE)

CURRENT INDUSTRIAL REPORTS SERIES

REFERENCE LIST — Continued

FORM MA335J		
Product code	Item code	Item description
Section III — POWER WIRE AND CABLE (Exclude fiber optics)—Continued		
3359291840	3231	2KV or less—Continued: Thermoplastic insulated power cable (exclude underground)
3359291850	3233	Thermoset, insulated power cable (exclude underground): Armored, rubber and cross linked
3359291860	3235	Unarmored, rubber (exclude single conductor UL labeled USE)
3359291870	3245	Unarmored, cross linked
3359291890	3249	Weatherproof cable
3359291891	3257	Service drop cable, thermoset and thermoplastic insulated
33592918C0	3263	Over 2KV: Underground distribution cable (UD, URD), all insulations (jacketed and unjacketed) Thermoset, insulated power cable (exclude underground): 2KV to 15KV:
33592918E0	3267	Armored, rubber and cross linked
33592918F0	3271	Unarmored, rubber (exclude single conductor UL labeled USE)
33592918G0	3273	Unarmored, cross linked
33592918H0	3275	Over 15.1 KV, rubber and cross linked
33592918I0	3279	Other power wire and cable
XXX	3298	Total power wire and cable (Sum of item codes 3201–3279)
Section IV — PORTABLE POWER CABLE		
33592918K0	4012	Portable power cable, all types, including crosslinked and non-crosslinked
Section V — CONTROL AND SIGNAL WIRE AND CABLE (Exclude fiber optics)		
335929C110	4111	Signal wire and cable Control wire and cable (exclude elevator cable):
335929C120	4115	Thermoset insulated
335929C130	4119	Thermoplastic insulated
XXX	4198	Total control and signal wire and cable (Sum of item codes 4111–4119)
Section VI — BUILDING WIRE AND CABLE (Exclude fiber optics)		
Building wire and cable:		
Thermoset insulated:		
335929D110	4242	Cross linked polyethylene (XHHW)
335929D120	4244	Cross linked polyethylene (XLP, USE)
Thermoplastic insulated:		
335929D130	4246	Flame-retardant nylon (THHN, THWN)
335929D140	4248	Moisture and heat resistant (TW, THW)
335929D150	4254	Service entrance cable (SER, SEU, ASE)
Non-metallic branch-circuit and underground feeder:		
335929D160	4256	Type NM-B
335929D170	4258	Type US and NMC (corrosion resistant)
335929D191	4265	Other building wire and cable, including metallic armored cable (AC and MC type)
XXX	4298	Total building wire and cable (Sum of item codes 4242–4265)

CURRENT INDUSTRIAL REPORTS SERIES

REFERENCE LIST — Continued

FORM MA335J		
Product code	Item code	Item description
Section VII — APPARATUS WIRE AND CORDAGE INCLUDING PRODUCTS FABRICATED FROM WIRE AND CABLE (Exclude fiber optics)		
Flexible cordage:		
331491F110	5221	Thermostat insulated
331491F120	5223	Thermoplastic (include thermoplastic elastomers)
331491F180	5225	Extension cord sets
331491F190	5227	Fixed power supply cords
331491F1A0	5231	Detachable power supply cords
331491F1B0	5233	Retractable power supply cords
Apparatus wire:		
331491F130	5235	Appliance fixture wire
331491F145	5240	Appliance wiring material 14 gauge and larger (include motor lead and transformer lead wire), thermoset and thermoplastic insulated
331491F160	5243	Submersible pump cable
331491F170	5247	Other apparatus wire and cordage (include machine tool wire)
XXX	5298	Total apparatus wire and cordage (Sum of item codes 5221–5247)
Section VIII — OTHER INSULATED WIRE AND CABLE INCLUDING PRODUCTS FABRICATED FROM WIRE AND CABLE (Exclude fiber optics) (Exclude appliance wire and cord and flexible cord sets, ignition harness sets, cable sets, etc.)		
Automotive:		
335929E110	5310	Bulk automotive primary wire
335929E120	5312	Bulk battery cable
335929E130	5315	Bulk ignition wire
335929E140	5318	Other automotive wire and cable
Airframe, shipboard, and ground support cable (exclude coaxial cable and ignition cable):		
335929E150	5324	Airframe and missile (including ground support cable)
335929E160	5328	Shipboard cable
335929E170	5331	Other insulated or covered wire and cable, not elsewhere classified
XXX	5398	Total other insulated or covered wire and cable (Sum of item codes 5310–5331)
Section IX — MAGNET WIRE (Include insulated magnet sheet, strip, and foil but exclude fiber optics)		
Film coated (Report products with thermal rating between classes in the next lower class):		
Class 105 and below:		
331491H110	6106	7 AWG and larger round (include all square and rectangular)
331491H120	6108	8–21 AWG
331491H135	6113	22–33 AWG and finer
Class 130–155:		
331491H160	6119	8–21 AWG
331491H170	6121	22–32 AWG
331491H180	6125	33 AWG and finer

CURRENT INDUSTRIAL REPORTS SERIES

REFERENCE LIST — Continued

FORM MA335J		
Product code	Item code	Item description
Section IX — MAGNET WIRE (Include insulated magnet sheet, strip, and foil but exclude fiber optics)—Continued		
Film coated (Report products with thermal rating between classes in the next lower class)—Continued:		
Class 180 and above:		
331491H190	6130	7 AWG and larger round (include all square and rectangular)
331491H1A0	6133	8–21 AWG
331491H1B0	6154	22–32 AWG
331491H1C0	6155	33 AWG and finer
331491H1C2	6157	Other film coated
Nonfilm coated:		
Class 130 and below:		
331491H1D0	6168	Fibrous
331491H1E0	6172	Tape
Class 155 and above:		
331491H1F0	6174	Fibrous
331491H1G0	6176	Tape
331491H1H0	6188	Other non-film coated
XXX	6199	Total magnet wire (Sum of item codes 6106–6188)
Section X — FIBER OPTICAL CABLE		
Communication applications:		
Single-mode stepped-index:		
3359210125	8101	Dispersion shifted
3359210128	8102	Dispersion unshifted
3359210129	8104	Multimode index
3359210434	8120	Other applications
XXX	8199	Total fiber optical cable (Sum of item codes 8101–8120)
Section XI — OPTICAL CABLE		
327215B235	9101	Optical fiber used for data purposes
327215B238	9102	Optical fiber used for nondata purposes
XXX	9103	Total optical fiber for data and nondata transmission (sum of item codes 9101 and 9102)
SELECTED NONMANUFACTURING REVENUES OF THIS ESTABLISHMENT		
9999998900	9973	Resales — Sales of products bought and sold without further manufacture, processing, or assembly.