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Government
of Canada

Gouvernement
du Canada

Industry, Trade
and Commerce

Industrie
et Commerce

Import Analysis

Analyse des importations

Pub. No. 00281 - A

ELECTRICAL, ELECTRONIC WIRE AND CABLE

APRIL TO JUNE 1979

**MATERIAL APPEARING IN SECTION III OF THIS REPORT MUST
NOT BE REPRINTED WITHOUT PRIOR PERMISSION FROM THE
IMPORT ANALYSIS**

Further information available from Import
Analysis, Corporate Systems Branch,
Industry, Trade & Commerce, Ottawa Canada,
K1A 0H5

Pour plus amples renseignements s'adresser à
l'Analyse des importations, Direction des
systèmes intégrés, Industrie et Commerce,
Ottawa Canada, K1A 0H5

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REFERENCES: (1) Customs Tariff: Items 40122-1 & 40123-1

(2) Trade of Canada Imports:
Import Classes 469-74 & 469-75

SECTION I

SCOPE OF ANALYSIS

This report is based on a detailed analysis of imports of wire and cable as listed in Section III during the second quarter of 1979. These products are normally included in the following Statistics Canada Import Classes:

- 469-74-19 Cable, communication type, insulated, n.e.s.
- 469-74-29 Cable, coaxial, radio and TV, n.e.s.
- 469-74-67 Wire, coaxial, radio and TV
- 469-74-69 Wire and cord, commun type, insulated, n.e.s.
- 469-74-79 Radio wire, insulated, n.e.s.
- 469-74-89 Television wire, insulated, n.e.s.
- 469-75-39 Insulated cable, n.e.s., electrical
- 469-75-59 Insulated wire, n.e.s., electrical
- 469-75-71 Wire, electrical, auto, plain or armoured

SECTION II

CANADIAN PRODUCTION

Statistics Canada reports Canadian production of wire and cable from large establishments for 1977 and 1978, latest year available, as follows:

<u>Products</u>	<u>1978</u> \$,000	<u>1977</u> \$,000
Aluminum wire and cable, not insulated	69,898	35,928
Copper, copper alloy & copper covered steel wires and cables, except insulated	22,530	18,976
Telephone wire and cable	-	203,518 ^r
Radio and television wire and cable, insulated:		
Coaxial cables	14,250	2,012 ^r
Other radio & television wire & cable, insulated		
Weatherproof wire	34,772	26,255 ^r
Service and service entrance cables		
Power cables, portable cables & power supply cables	107,330	99,403
Building wires	151,818	128,156
Signal and control cables	13,753	7,308
Cords, fixtures and appliance wires	30,370	26,767
Magnet wires	57,978	47,637
Other wires and cables	244,573	23,217 ^r

NOTE: r = revised figures

CANADIAN PRODUCTION (Cont'd)

List of large establishments reporting in 1978 and 1979

Nova Scotia

Northern Telecom Limited - Amherst
Phillips Cables Limited - Woodside

New Brunswick

Canada Wire & Cable Limited - Atlantic Div-Lancaster

Quebec

*Alcan Canada Products Limited - St. Augustin
Alcan Canada Products Limited - Shawinigan
*Harbour Industries (Canada) Ltd. - Farnham, Montreal
ITT Industries of Canada Limited - St. Jerome
Northern Telecom Limited - Islington
Phillips Cables Limited - Rimouski
Pirelli Cables Ltd. - St. Jean
The Universal Wire & Cable Co. Ltd. - Montreal

Ontario

Alcan Canada Products Limited - Bracebridge
Boston Insulated Wire & Cable Co. Ltd. - Hamilton
Bunker Ramo (Canada) Ltd. - Renfrew Plant
Cable Tech. Wire Co. Ltd. - Stouffville
Canada Wire & Cable Limited - Toronto
*Canada Wire & Cable Limited - Orangeville, Toronto
Canada Wire & Cable Limited - Magnet & Wire Div., Toronto
Canada Wire & Cable Limited - Fergus, Toronto
Canadian General Electric Co. Ltd. - Peterborough
*Domtech Co. Ltd. - Trenton
Fabricon Manufacturing Ltd. - Belleville
General Wire & Cable Company Limited - Cobourg
Heron Cable Industries Limited - Waterloo
Northern Telecom Limited - Kingston, Islington
Phillips Cables Limited - Brockville
Phillips Cables Limited - Toronto
Pirelli Cables Ltd. - Guelph Plant
Pyrotenax of Canada Ltd. - Trenton

Manitoba

Canada Wire & Cable Limited - Winnipeg
Phillips Cables Limited - Portage la Prairie Man. Plant

Saskatchewan

Canada Wire & Cable Limited - Weyburn
Northern Telecom Limited - Regina

Alberta

Northern Telecom Limited - Calgary
Phillips Cables Limited - Sentinel

British Columbia

Canada Wire & Cable Limited - West Coast Wire & Cable
Phillips Cables Limited - Vancouver

NOTE: *Classified to the industry for the first time.

SOURCE: Statistics Canada, Catalogue #43-209

SECTION III

ANALYSIS OF IMPORTS

Imports of electrical, electronic wire and cable during April to June 1979 amounted to \$11,407,406. Although it is not noted in the analysis, U.S.A. was the major country of origin accounting for 99 per cent of all imports during that period. Highlights of the results are given in this summary table:

<u>Description</u>	<u>Value</u> <u>(\$)</u>
Audio and Communications Cable	943,306
Microphone Cable	118,703
Instrumentation, Computer and Control Cable	1,582,505
TV Lead-in and Rotor Cable	101,767
Coaxial Cable	1,533,024
Hook-up and Lead Wire	1,733,511
General Wire and Cable	3,204,737
Cordsets	141,936
Power cable and others (not further identified)	2,047,917
	<hr/>
	11,407,406

Full details of the analysis, including type and/or apparent end use, quantity in feet (none in some areas) and value are shown in the following table.

IMPORTS OF ELECTRICAL, ELECTRONIC WIRE AND CABLE

APRIL, MAY AND JUNE 1979

<u>TYPE AND/OR APPARENT END USE</u>	<u>Quantity</u> <u>(ft.)</u>	<u>Value</u> <u>(\$)</u>
<u>Audio and Communication Cable</u>		
Audio cables, shielded:		
1 conductor	19,000	1,558
2 conductors	403,200	21,355
3 conductors	63,050	6,606
4 conductors	22,000	6,278
5 and over*	80,500	14,791
	<u>587,750</u>	<u>50,588</u>
Audio cables, unshielded:		
2 conductors	218,400	8,777
3 conductors	67,000	3,852
4 conductors	134,244	5,662
5 to 8 conductors*	75,850	7,734
10 to 12 conductors*	72,200	16,898
15 and over *	61,410	29,266
N.F.I.	908,646	21,476
	<u>1,537,750</u>	<u>93,665</u>
Communication Cables: (shielded/unshielded combinations)		
3 and 4 conductors*	31,200	2,868
5 to 10 conductors*	32,300	3,848
	<u>63,500</u>	<u>6,716</u>
Data Cable, shielded:		
1 to 4 conductors*	295,945	39,873
6 conductors	146,500	26,671
12 conductors	37,900	13,562
14 to 18 conductors*	17,340	8,563
22 to 24 conductors*	19,600	12,590
30 conductors	13,780	11,373
34 and over*	13,600	16,527
	<u>544,665</u>	<u>129,159</u>
Burglar and fire alarm wire	56,695	3,822
	-	9,008
		<u>12,830</u>
Hifi/Phono/Stereo, shielded/unshielded	37,900	2,143
	-	1,297
		<u>3,440</u>
Intercom cables, unshielded:		
2 to 4 conductors*	438,450	19,194
6 to 12 conductors*	58,000	6,990
18 to 30 conductors*	35,215	17,902
Over 30 conductors*	27,700	19,322
	<u>559,365</u>	<u>63,408</u>
Language Lab Cable	48,205	3,712

<u>TYPE AND/OR APPARENT END USE</u>	<u>Quantity</u> (ft.)	<u>Value</u> (\$)
<u>Audio and Communication Cable (Cont'd)</u>		
Sound and Broadcast:		
2 conductors	73,700	7,055
8 to 18 conductors*	33,700	13,123
22 and over *	34,610	21,553
	<u>142,010</u>	<u>41,731</u>
Speaker Wire & Cable	3,958,000	58,699
	-	8,356
		<u>67,055</u>
Telephone cables	-	16,226
Zip & lamp cords	992,020	13,395
Audio & Communication Cable n.f.i.	-	441,381
		<u>943,306</u>
<u>Microphone Cable</u>		
Single conductor	298,695	26,171
Multiple conductors	<u>630,111</u>	<u>92,532</u>
TOTAL - Microphone Cable	928,806	118,703
<u>Instrumentation, Computer & Control Cable</u>		
Computer wire & cables	1,932,569	372,729
	-	23,635
		<u>396,364</u>
Control & Audio, shielded/unshielded:		
1 to 5 conductors*	161,400	18,440
6 to 10 conductors*	124,705	25,379
12 conductors	52,300	19,869
15 and over*	41,150	21,302
	<u>379,555</u>	<u>84,990</u>
Control, n.f.i. shielded/unshielded	-	653,676
Instrumentation cables	818,030	173,432
	-	112,890
		<u>286,322</u>
Ribbon cables	-	88,450
SO Control cables:		
12/6 to 12/20*	12,830	9,972
14/5 to 14/24*	11,080	6,096
16/5 to 16/20*	135,495	50,218
18/5 to 18/14*	30,822	6,417
	<u>190,227</u>	<u>72,703</u>
TOTAL - Instrumentation, Computer & Control Cable		<u>1,582,505</u>

<u>TYPE AND/OR APPARENT END USE</u>	<u>Quantity</u> (ft.)	<u>Value</u> (\$)
<u>TV Lead-in and Rotor Cable</u>	2,173,968	101,767
<u>Coaxial Cable</u>		
RG # 6 to 8*	2,703,445	129,892
9 to 11*	73,625	9,993
14 to 58	225,265	11,024
59	3,397,448	124,826
62	656,057	47,106
142 to 174*	67,915	4,362
178 & 179*	7,100	2,852
180 to 187*	12,600	4,354
188 to 196*	2,702	1,584
213	87,873	13,149
214 to 402*	27,339	11,445
n.f.i.	6,333,685	1,148,878
	-	23,559
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TOTAL - Coaxial Cable	13,595,054	1,533,024
<u>Hook-up and Lead Wire</u>		
Mil-W 16878, type "B" Single conductor	21,366,320	195,834
Multiple conductors	212,474	44,964
type "D"	26,980	3,380
type "E" "EE" "ET"*	1,266,931	99,540
Mil-W-76B, type "HW"	18,400	1,722
type "LW"	457,062	19,853
type "MW"	4,293,311	115,374
Style 1007, type "TR"64	2,246,540	30,109
Style 1015, type "TEW"	3,261,100	103,712
Style 1061, 10955, 1371, 1429*	172,480	16,155
Style 1430, 3239*	58,875	2,950
Aircraft Wire	1,250,716	321,445
Airframe Lead Wire	2,027,187	219,845
Bus Bar Wire	927,100	11,331
Machine Tool Wire	455,604	31,972
<u>Shielding & Bonding Cables:</u>		
Flat Braid	64,250	16,598
Tubular Braid	274,401	66,046
	<hr/>	<hr/>
	338,651	82,644
Test Lead Wire	1,156,765	30,559
Wire Wrap	15,167,999	99,316
Hook-up n.f.i.	12,459,925	233,514
	-	69,292
	<hr/>	<hr/>
TOTAL - Hook-up and Lead Wire		1,733,511

<u>TYPE AND/OR APPARENT END USE</u>	<u>Quantity</u> (ft.)	<u>Value</u> (\$)
<u>General Wire and Cable</u>		
Automotive Wire and Cable:		
Ignition wire	206,436	39,895
Motor lead wire	5,190,666	335,955
Primary wire	27,017,728	560,714
Trailer cables:	131,739	27,131
	-	24,069
Wiring harnesses	463,961	28,448
Automotive wire and cable, n.f.i.	31,212,538	1,330,747
		<u>2,346,959</u>
Cords and Cordage Type:		
HPN	709,818	44,870
S	921,300	69,750
SEW	749,690	35,125
SJ	838,095	66,623
SJO	91,245	7,165
SJT	1,771,917	99,283
SO	597,698	138,007
SP	3,916,690	174,540
SPT	505,393	32,482
ST & STO	107,000	13,499
SV & SVT	65,200	7,571
Retractable:		
Communication	-	7,472
SO, SJO, SVO	-	6,077
Not further identified	-	65,759
Cords, not further identified	-	<u>7,435</u>
Heater wire	616,700	8,131
Welding cables	99,193	73,989
TOTAL - General Wire and Cable		<u>3,204,737</u>
<u>Cordsets</u>		
Battery/Booster Cables	-	93,298
Extension Cord sets	-	48,638
TOTAL - Cordsets		<u>141,936</u>

<u>TYPE AND/OR APPARENT END USE</u>	<u>Quantity</u> (ft.)	<u>Value</u> (\$)
<u>Power Cables & Others N.F.I.</u>		
Aluminum insulated wire	127,543(lbs)	172,361
Cooper clad aluminum sheath conductor wire	1,389,252	266,152
Heating cables	113,188	198,140
Magnet wire	-	545,939
Offshore and land oil rig cables:	171,017	268,218
	-	5,576
Power cables, type "G"	53,272	131,275
Power cables, type "W"	139,911	301,466
Shipboard cables	23,796	14,564
Thermocouple wire	-	144,226
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TOTAL - Power Cables & Others, N.F.I.		2,047,917
		<hr/>
GRAND TOTAL		11,407,406

NOTES: * - Aggregated in order to preserve confidentiality

N.F.I.- Not further identified

- A number of documents representing approximately \$800,000 in imports were not available for analysis, and therefore are not included in this report, due to the sampling technique used by Statistics Canada. The methodology used by Statistics Canada is described in the "Trade of Canada Imports" Catalogue 65-007.
- Dollar values shown are based on selling price F.O.B. plant, in Canadian dollars.

SECTION IV

FOREIGN EXPORTERS TO CANADA

Major exporters to Canada of wire and cable as listed in Section III, with total shipments of \$50,000 and over are listed below in decending order of dollar values of exports to Canada. They accounted for 82.8 per cent of values shown in Section III.

<u>USA</u>		<u>Value</u> <u>(\$)</u>
Belden Corp.	Geneva, IL	918,205
Essex International	Detroit, MI	798,541
Alpha Wire Corp.	Elizabeth, NJ	665,886
Comm/Scope Co.	Catawba, NC	663,909
Cerro Communication	Freehold, NJ	581,860
Raychem Corp.	Menlo Park, CA	439,272
ITT Surprenant Div.	Leominster, MA	425,799
Brand Rex Co.	Wellimantic, CT	424,183
Kayan-Dixon Wire Corp.	Rahway, NJ	365,204
ITT Royal Electric Div.	Pawtucket, RI	340,795
Packard Electric Div. of G.M.	Warren, OH	335,790
Carol Cable	Vernon, CA	334,353
Phalo Corp.	Shrewsbury, MA	288,102
Lighting Systems Intern	Houston, TX	253,334
Berk-Tek Inc.	Reading, PA	205,912
Columbia Electronics Cables	New Bedford, MA	176,553
General Cable Export Corp.	Greenwich, CT	165,400
Times Wire & Cable Co.	Chatham, VA	156,915
Montrose Products Co.	Auburn, MA	155,082
The Montgomery Co.	Windsor Locks, CI	145,389
Beck Electric Mfg. Inc.	Stamford, CT	132,551
Continental Wire & Cable	York, PA	115,251
Haveg Industries Inc.	Winooski, VT	109,721
Alumoweld Products Div.	Gassport, PA	87,380
Tandy Wire	Ft. Worth, TX	84,188
Bridgeport Insulated Wire Co.	Bridgeport, CT	82,389
Quabbin Wire & Cable	Ware, MA	79,763
Anixter Denver Inc.	Denver, CO	75,028
Prestolite Wire Div.	Los Angeles, CA	71,180
Whitaker Inter America Corp.	North Kansas, MO	70,525
American Insulated Wire Corp.	Pawtucket, RI	70,266
Mark Products Inc.	Houston, TX	70,041
Gen. Electric Co.	Bridgeport, CT	66,569
C & M Corp.	Wauregan, CT	61,545
Cablewave Systems Inc.	North Haven, CT	61,203
Anixter Bros. Inc.	Evanston, IL	60,592
Essex Group/Controls Div.	Logansport, IN	57,907
Labarge Inc. Electronic Div.	Irvine, CA	55,879
Systems Communications Cable Inc.	Phoenix, AZ	53,280
Manhattan Electric Cable Corp.	Passaic, NJ	50,623

<u>Sweden</u>		<u>Value</u> <u>(\$)</u>
Asea A.B.	Stockholm	89,441
TOTAL		<hr/> 9,445,806

NOTE: The location indicated for each company does not necessarily mean that exports originated from only that one location. In some instances, plants located in other cities may be involved.

SECTION V

CANADIAN AND FOREIGN TARIFFS

CANADA

The products included in this analysis were dutiable under the following most commonly applied tariffs items.

<u>Tariff Item</u>	<u>Description</u>	<u>British Preferential Tariff</u>	<u>Most Favoured Nation Tariff</u>	<u>General Tariff</u>	<u>General Preferential Tariff</u>
40122-1	Single, coated or covered	10%	15%	25%	10%
40123-1	Twisted, braided, bunched or otherwise conjoined, whether or not reinforced with steel, coated or covered or not, including cable, rope and strand	12.5%	17.5%	25%	11.5%

Tariff items and rates of duty are subject to change, and need to be verified by direct reference to:

Customs Programs Branch, Secretariat
Department of National Revenue
Customs and Excise
OTTAWA K1A 0L5

FOREIGN COUNTRIES

Inquiries concerning tariffs and other government trade regulations in foreign countries should be directed to:

International Bureaux
Department of Industry, Trade and Commerce
OTTAWA K1A 0H5

Import Analysis
Corporate Systems Branch
Department of Industry, Trade and Commerce
235 Queen Street
OTTAWA K1A 0H5

January 29, 1981