

ESSEX® INTERNATIONAL, INC.

Electrical Products for the world's growth industries



basic products and markets directory

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GENERAL OFFICES **ESSEX INTERNATIONAL, INC.** 1601 Wall Street, Fort Wayne, Indiana 46804 (219) 743-0311

ESSEX

PAGE



Essex was originally organized in **1900 and Useum** gan the production of basic electrical wires and devices. The company has since grown to become recognized as a primary manufacturer of a broad range of market oriented products required by all the associated businesses making up the "electrical-electronics industry" universe.

Through internal growth programs, in-depth self supply, primary raw material processing operations and special production equipment, the company today produces practically every product type required for the transmission, control, or end-product application of electricity.

The company also manufactures and distributes complete lines of maintenance and repair products for associated aftermarket requirements. In addition Essex likewise produces select products and equipment directed to parallel facets of its long established electrical markets.

The company operates through 10 manufacturing divisions, each producing multi-product lines for maximum market coverage.

ESSEX OPERATIONS

Communications & CATV Division Controls Division Electro-Mechanical Division Industrial Wire Products Division IWI Division Magnet Wire Division Metal & Plastic Products Division Power Conductor Division Wire Assembly Division Wire & Cable Division Transport Motor Express

Essex Divisions and Product Marketing Locations

ESSEX COMMUNICATIONS & CATV DIVISION

800 E. Garfield Ave., Decatur, III. 62526 (217) 429-2531

Manufactures and markets all types of overhead and direct burial communications wire and cable, telephone cable carrier systems and community antenna television (CATV) equipment.

ESSEX CONTROLS DIVISION

131 Godfrey St., Logansport, Ind. 46947 (219) 753-7521

Manufactures and markets magnetic, gas, temperature and related control devices and systems, small transformers; markets transformers and controls through authorized electronic distributors.

electro-mechanical controls

ESSEX/RBM Controls 131 Godfrey St., Logansport, Ind. 46947 (219) 753-7521

bimetallic temperature controls

ESSEX/Stemco Controls P. O. Box 1007, Mansfield, Ohio 44903 (419) 884-1311

capillary actuated temperature controls ESSEX/Temperature Control Products

4200 Miami St., St. Louis, Mo. 63116 (314) 776-7667

gas controls

ESSEX/Gas Controls West Township Road, Auburn, Ind. 46706 (219) 925-2461

gas manifolds

ESSEX/GASCO Products Columbia Highway, P. O. Box 625, Franklin, Tenn. 37064 (615) 794-8451

distributor marketing (transformers, wire products) ESSEX/Stancor Products

3501 W. Addison St., Chicago, III. 60618 (312) 463-7400

distributor marketing (electrical, electronic control devices) ESSEX/RBM Control Products 131 Godfrey St., Logansport, Ind. 46947 (219) 753-7521

gas valves and accessories

ESSEX/Roberts Brass Products Grissom Ave., Mitchell, Ind. 47446 (812) 849-3100

ESSEX ELECTRO-MECHANICAL DIVISION

6233 Concord Ave., Detroit, Mich. 48211 (313) 921-5600

Manufactures electrical switching and control devices and components required by manufacturers of vehicular and marine equipment for ignition, operation, convenience and safety. Markets electrical wires, cables, switches, ignition devices and components, starter drives and water pumps to automotive aftermarket.



automotive aftermarket products

ESSEX/Automotive Parts 6233 Concord Ave., Detroit, Mich. 48211 (313) 921-5600 Ext. 297

automotive water pumps—aftermarket ESSEX/Warner Machine Products P.O. Box 2423, Muncie, Ind. 47302 (317) 288-4464

ESSEX INDUSTRIAL WIRE PRODUCTS DIVISION

445 Park Ave., Sycamore, III. 60178 (815) 895-4501

Manufactures and markets electrical wiring systems; electronic, high temperature and coaxial wires and cables; cord sets; power, lead, hook-up and special wires and cables for appliance, OEM, refrigeration, CATV and special markets; also produces terminals, moldings, terminating and molding machines.

electrical wires, cord sets ESSEX/Industrial Wires & Cables 445 Park Ave., Sycamore, III. 60178 (815) 895-4501

electronic, high temperature, coaxial wires & cables ESSEX/Electronic Wires & Cables 6235 S. Harlem Ave., Chicago, III. 60638 (312) 586-3000

electrical terminals, moldings, equipment ESSEX/Terminals 3501 W. Addison St., Chicago, III. 60618 (312) 463-7400

electrical appliance wiring systems ESSEX/Electrical Wire Assemblies 100 Tudor Rd., Berrien Springs, Mich. 49103 (616) 471-7721

ESSEX IWI DIVISION

1510 Wall St., Fort Wayne, Ind. 46804 (219) 742-7441

Distributes electrical insulation and wire products, components, fabricated non-metallic and mica parts, shop equipment, controls, capacitors, small motors and related electrical products. Manufactures and distributes natural and built-up mica products, tubing and sleeving, and fabricated electrical insulating parts.

insulation materials, wire, equipment for OEM and motor repair/maintenance

ESSEX/IWI

1510 Wall St., Fort Wayne, Ind. 46804 (219) 742-7441

refrigeration, air conditioning, heating replacement products ESSEX/IWI-Steveco

1510 Wall St., Fort Wayne, Ind. 46804 (219) 742-7441

fabricated parts/electrical insulation materials ESSEX/IWI-Cortland 4545 Cortland St., Chicago, III. 60639 (312) 227-1500

natural mica products ESSEX/IWI-Huse Liberty 247 Lynnfield St., Peabody, Mass. 01960 (617) 531-7100

Essex Divisions and Product Marketing Locations (continued)

ESSEX IWI DIVISION (continued)

built-up mica products ESSEX/IWI-Macallen Bay Rd., Newmarket, N.H. 03857 (603) 659-5555

tubing and sleeving ESSEX/IWI-Suflex 33-40 57th St., Woodside, N.Y. 11377 (212) 639-5530

ESSEX MAGNET WIRE DIVISION

1601 Wall St., Fort Wayne, Ind. 46804 (219) 743-0311

Manufactures and markets complete lines of copper and aluminum magnet wires; precious metal-plated conductors; diamond dies for wire drawing; fine and ultra-fine precision stainless steel and stainless alloy wire; organo-metallic compounds, resins, emulsions and suspensions. Designs and manufactures custom production machinery and special industrial processing equipment. Engineers, manufactures and markets automatic stator winding equipment and related systems.

copper and aluminum magnet wire ESSEX/Magnet Wire 1601 Wall St., Ft. Wayne, Ind. 46804 (219) 743-0311

custom production machinery ESSEX/Custom Machinery 211 N. Columbus St., Lancaster, Ohio 43103 (614) 653-4216

stator winding equipment

ESSEX/Fort Wayne Tool & Die 3405 Engle Rd., Fort Wayne, Ind. 46809 (219) 747-0540

precision stainless alloy wire

ESSEX/Fort Wayne Metals 3211 MacArthur Dr., Fort Wayne, Ind. 46809 (219) 747-4154

organo-metallic compounds, resins, emulsions, suspensions ESSEX/Copolymer Products 2800 North Main St., Rockford, Ill. 61101

ESSEX METAL & PLASTIC PRODUCTS DIVISION

303 N. Jackson, Andrews, Ind. 46702 (219) 786-3371

Manufactures and markets industrial fittings, high pressure hose lines; aluminum extrusions; rigid and flexible plastic extrusions, plastic vacuum formed and injection molded parts. Designs, manufactures and markets point-of-purchase displays and complete lines of indoor and outdoor illuminated plastic signs.

metal fittings, plastic products ESSEX/Fittings-Plastics 303 N. Jackson, Andrews, Ind. 46702 (219) 786-3371

aluminum extrusions

ESSEX/Aluminum 835 Spring St., Jeffersonville, Ind. 47130 (812) 282-4341

illuminated signs ESSEX/NPI (Neon Products, Inc.) Neon Ave., Lima, Ohio 45802 (419) 223-9045

ESSEX POWER CONDUCTOR DIVISION 2601 S. Adams St., Marion, Ind. 46953 (317) 664-6211

Manufactures and markets copper and aluminum overhead and underground high voltage wires and cables for utilities, power companies, municipalities and general industrial applications.

ESSEX WIRE & CABLE DIVISION

1508 Wall St., Fort Wayne, Ind. 46804 (219) 743-0311

Manufactures and markets full lines of aluminum and copper building wires and cables for construction, mining, mobile home, service and general industries through electrical wholesalers.

ESSEX WIRE ASSEMBLY DIVISION

6233 Concord Ave., Detroit, Mich. 48211 (313) 921-5600

Designs, engineers, manufactures, and markets complete electrical wiring and control systems, including the associated component devices required by the automotive, truck, bus, farm equipment, off the road, and marine industries.

ESSEX/CASCO

P. O. Box 547, Belton, S.C. 29627 (803) 338-7764

Manufactures and markets automatic electric blankets and heating pads, plus associated lines of consumer therapeutic and health products through drug, pharmacy and housewares outlets.

TRANSPORT MOTOR EXPRESS, INC. (TMX)

P. O. Box 958, Meyer Rd., Fort Wayne, Ind. 46801 (219) 743-9711

Major commercial truck line serving midwestern states through network of freight terminals.



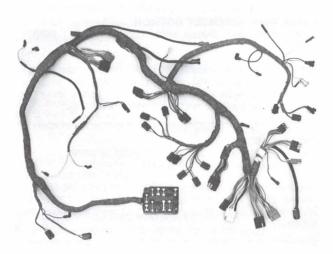
Basic Products

Automotive Products



Automotive Electro-Mechanical Devices and Components

Relays, voltage regulators, starter solenoids, flashers, indicators and dimmers; complete line of switches for headlamps, courtesy lights, turn signals, hazard warnings, speed controls, window lifts, windshield wipers-washers, ignition, neutral safety, etc. ESSEX ELECTRO-MECHANICAL DIVISION (pg. 2)



Automotive Wiring and Control Systems

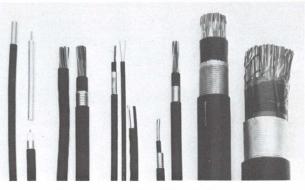
Complete wire assemblies for all electrical, electro-mechanical functions including interior and exterior lights, courtesy lamps, transmission indicators, ignition and engine electrical systems, and other automotive safety, convenience and operational requirements. ESSEX WIRE ASSEMBLY DIVISION (pg. 5)



Automotive Aftermarket Products

Battery cable sets, terminals, carrier straps, hold downs, post cleaners and jumper cable sets; coils, brackets, and resistors; distributor caps; ignition wire; starter solenoids, starter drives, and repair kits; terminals and terminal kits; voltage regulators and fuses; booster clamps-clips; brushes; condensers; contact sets; cutouts; dashpots; drop lights; extension cord (spooled, readymade); flasher controls; horn buttons; lamp assemblies; lock cylinders and keys; loom; magneto parts; PVC valves; relays; spark plug and distributor boots; switches; temperature sending units; trailer connectors; transmission modulators; vacuum chambers; voltage reducers; warning devices; water pumps; wire and cable. ESSEX / Automotive Parts (pg. 3)

Communication Products—Components

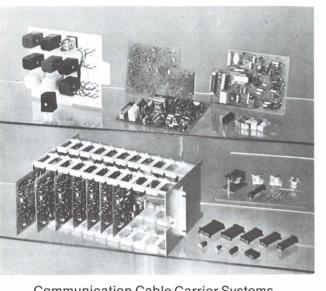


Communication Wire & Cable

Aerial and buried distribution wire, inside-outside station wire, aerial drop wire, aerial figure-8 cable, aerial and duct cable, direct burial cable, low capacitance cable, inside wiring cable, filled cable, steel shielded cable, high pair count cables, special constructions. ESSEX COMMUNICATIONS & CATV DI-VISION (pg. 2)

Coaxial cable, sub-miniature coaxial cable, triaxial cable, audio cable, antenna wire, twin lead transmission lines. ESSEX/ Electronic Wires & Cables (pg. 3)





Communication Cable Carrier Systems

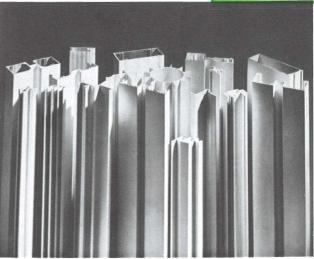
Electronic cable carrier systems used by telephone companies featuring standard subscriber telephones with special station terminating electronics and plug-in central office electronic terminals, ESSEX COMMUNICATIONS & CATV DIVISION (pg. 2)



CATV Equipment and Cables

Amplifiers, automatic program switchers, CATV wire and cable, directional couplers, power inserters, power supplies, line splitters. ESSEX COMMUNICATIONS & CATV DIVISION (pg. 2)

Construction Products



Aluminum Extrusions

Storm windows and doors; prime windows for residential and commercial use: aluminum weather stripping channels: store front extrusions and components; decorative and structural trim; miscellaneous aluminum building products; sports equipment components. ESSEX/Aluminum (pg. 5)



Building Wires & Cables

Solid and stranded copper and aluminum conductors: nonmetallic sheathed cables; fixture wires; line wires; armored wires and cables; service entrance cables; self-supporting service drop cables. ESSEX WIRE & CABLE DIVISION (pg. 5)



Fittings

Brass, steel and bronze alloy fittings; flared, flareless, inverted flare, precision grip, compression and threaded sleeve fittings; high pressure fittings. ESSEX/Fittings-Plastics (pg. 5)

Consumer Products



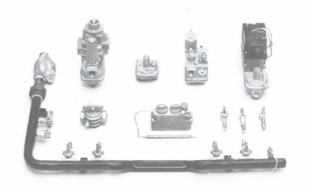
Automatic electric blankets and heating pads; therapeutic health appliances; heat bonnets; sinus masks; heat masks; heat bandages; neck and throat heat pads; facial saunas; thermal massagers; oral hygiene appliances; illuminated make-up mirrors. ESSEX/Casco (pg. 5)

Control Devices—Components VIRTUAL MUSEUM



Control Systems & Relays

Controls and control systems for appliances, business machines and computers; general purpose and current type relays; hermetically sealed, low voltage DC, miniature sensitive, motor starting, plug-in, and potential type relays and contactors; printed circuits, reed, refrigeration, resistance sensitive, time delay and shunt type relays and contactors; air conditioning, automatic defrost, heating, and vending machine controls; thermal and hermetically sealed controls and control systems. ESSEX CONTROLS DIVISION (pg. 2)

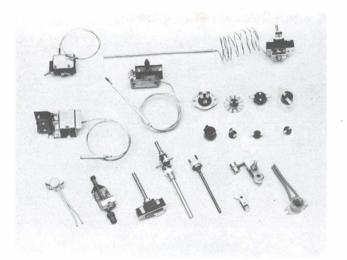


Gas Controls & Manifolds

Gas controls: boiler, central furnace, duct furnace, electric ignition, flame failure, gas fired air conditioning, gas ignition, infra-red heater, room heater, unit heater and wall furnace. Gas valves: automatic, bimetal actuated, combination, electromagnetic actuated, manual and pilot; gas pressure regulators. ESSEX / Gas Controls (pg. 2)

Manifolds: furnace and gas appliance. ESSEX/GASCO Products (pg. 2)

Top burner valves, orifices, connectors, water gauges. ESSEX/ Roberts Brass Products (pg. 2)



Temperature Controls

Automatic pilots; gas capillary, flame and thermal controls; glow coil igniters. Thermostats: adjustable strip, electric, disc type, heliarc welded, hermetically sealed, manual reset, potted, semienclosed, and solder sealed. ESSEX/Stemco Controls (pg. 2) Hydraulic actuated capillary thermostats. ESSEX/Temperature Control Products (pg. 2)

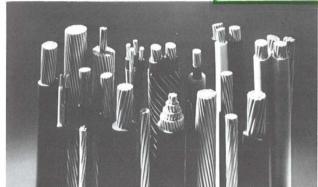


Transformers

Transformers: audio, control, driver, electric, electronic, filament, flyback, input, interstage, isolation, line matching, matching, microphone, miniature, sub-miniature, modulation, output, photo flash, plate, power, yoke, filter choke, swinging choke, TV/radio replacement. ESSEX/Stancor Products (pg. 2)

Electric Utility Products

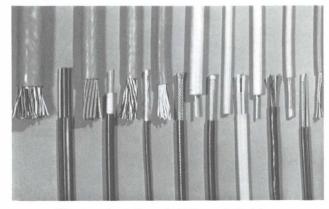




Electrical Power Cables

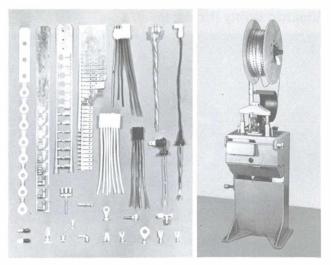
Copper and aluminum, solid and stranded conductors, primary and secondary overhead and underground, high voltage wires and cables; service entrance drop cables; spacer cable; mining cable; welding cable; control cable and special cables such as cable-in-duct and interlocked armored cable; standard and customized insulations including plastic, rubber, butyl, neoprene, polyethylene and cross-linked polyethylene. ESSEX POWER CONDUCTOR DIVISION (pg. 5)

Electrical—Electronic Products— Components



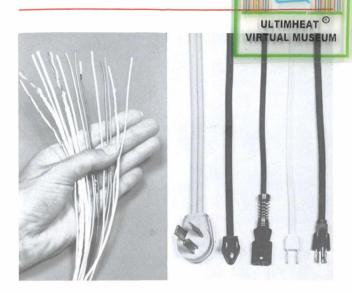
Electronic & Coaxial Wires & Cables

Military hook-up wire: types B, C, D, ET, E, EE, LW, MW and HW. UL hook-up wire: style 1061, 1015, 1016, 1011, 1010, 1008, 1007, 1006, 1426, 1424, 1371, 5073 and 5074. Coaxial cables include RG, RG subminiature, semi-rigid, triaxial, low noise, high voltage, metal jacketed, 100% BC/U and reduced weight cables. Solid or stranded copper conductors, silver or nickel plated. Insulations include mylar, nylon, Teflon, PVC, fiberglass, Kynar, Polysulfane, Lamwrap, etc. ESSEX/Electronic Wires & Cables (pg. 3)



Terminals & Moldings Terminating & Molding Equipment

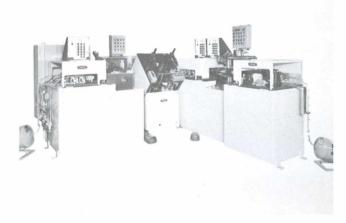
Electrical and electronic terminals for appliance, automotive and electronic applications; terminals include bullet, headlight, magnet wire piercing, pin, ring, screw, snap-on, spade, spark plug and tab. Terminal applicator presses, crimping dies; moldings, injection molding presses and dies. ESSEX/Terminals (pg. 3)



Electrical & Electronic Wires, Cord Sets, Appliance Wire Assemblies

Power, lead, hook-up, and special wiring systems for appliance, OEM, refrigeration and general machine industries; cord sets for air conditioning, appliance, general machine, replacement and portable power applications; electrical wire assemblies for appliance and general industry. ESSEX/Industrial Wires & Cables (pg. 3)



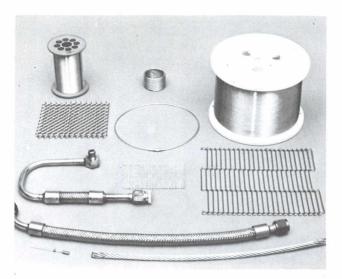


Magnet Wire

Aluminum, copper and plated conductors; very heavy to ultrafine sizes; rectangular, square and round wire shapes; insulations include film types, paper, cotton, Kapton, glass and dacron glass over bare wire or in combinations with film insulations. ESSEX / Magnet Wire (pg. 4)

Stator Winding Equipment

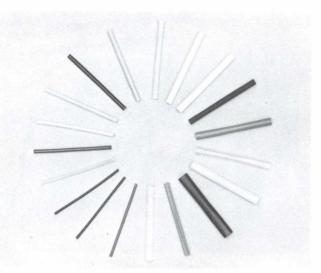
All types of stator manufacturing equipment including stator winders, lacers, coil prewinders, coil and wedge inserters, and other related machines required by electric motor and electric coil manufacturers. ESSEX/Fort Wayne Tool & Die (pg. 4)



Precision Stainless Alloy Fine Wire

Precision alloy wires from .125 to .0005 and customized smaller sizes for industrial, commercial, military, scientific and medical applications. Drawn braze strand wire; pacemaker cable; weaving wire; suture wire; orthodontic wire; magnetic recording wire. ESSEX/Fort Wayne Metals (pg. 4)

Electrical Insulation Materials



Tubing & Sleeving

Unsupported flexible extruded plastic tubing; cotton rayon varnish saturated; woven glass sleevings: plain, heat treated and special treatments; special coatings: resin, plastic, rubber, elastonomer and others. ESSEX/IWI-Suflex (pg. 4)



Mica Products

Natural mica products including raw splittings fabricated for vacuum tube grid supports, transistor bases, microwave windows, etc. ESSEX/IWI-Huse Liberty (pg. 3)

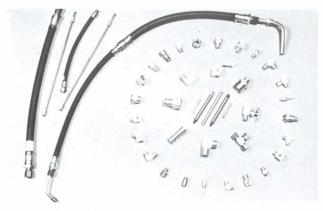
Built-up mica products including mica splittings incorporating binders to form rigid plates, molding plates, heater plates; flexible composites in sheets, rolls and tapes; fabricated, molded or formed parts. ESSEX/IWI-Macallen (pg. 4)



Fabricated-Prepackaged Insulations

Precision fabricated electrical insulation parts from various standard non-metallic materials such as paper, fibres, plastic, films, synthetics and others which are punched, drawn, formed, channeled, shaped, drilled, engraved, etc. Off-the-shelf prepackaged products include coil forms, motor slot wedges and hard fibre washers. ESSEX/IWI-Cortland (pg. 3)

General Industrial Products—Services



OEM/Industrial Fittings-Hose Lines

Steel and brass fitting types include appliance, air brake, brass, compression, evaporative cooler, flared, flareless, gas range, hose, inverted flare, pipe, POL, refrigeration, space heater, steel and threaded sleeve. Needle and tank instrumentation valves; pipe nipples; low-medium-high pressure hose; hose ends; hose adapters; fuel and oil lines; steel brake lines and power steering hose assemblies. ESSEX/Fittings-Plastics (pg. 5)



Machinery Building

High speed wire drawing and processing equipment; electrical and electronic production machinery; special laboratory testing equipment; high speed packaging machinery; custom heavy duty machinery; automatic glass-reed-switch assembly and encapsulation equipment; plastic injection molding machines; high speed presses for progressive terminal and crimping dies; automatic circuitry testing equipment; copper bar rolling mills; coiling machines; universal wire take-up machines; stamping presses; Tappi laboratory equipment such as disintegrators, presses with automatic controls, pumps and paper industry sheet making machines. ESSEX/Custom Machinery (pg. 4)



Illuminated Signs

Interior and exterior illuminated plastic dealer signs, merchandising and point-of-purchase displays, high rise signs. Extensive product lines include standard and specially designed signs incorporating clocks, motion, privilege lines and fourcolor transparencies. ESSEX/NPI (Neon Products, Inc.) (pg. 5)

Plastic Products



General Plastic Product Types

Rigid, flexible, semi-flexible and dual durometer plastic extruded products include cable guy wire guards, waterstop and window moldings, gasketing materials, edging, conduit, tape, tubing and extrusions for the window and door industries. Vacuum formed parts in wide variety of shapes and sizes with special surface patterns, hardware, detail, materials and twopiece molded parts. Injection moldings include thermoplastic parts, spools and housings for general industry; compression, transfer and injection molded thermosetting plastic bobbins, housings, fuse and terminal blocks, knobs, switch and switchgear components, appliance interior and exterior panels. ESSEX / Fittings-Plastics (pg. 5)

Basic Products List

Aluminum

extrusions fabrications magnet wire store fronts storm windows and doors wire and cable Appliance wire assemblies Automotive products battery cable connectors harnesses ignition components ignition switches ignition wire magnet wire primary wire starter drives switches terminals warning devices water pumps wire and cable Cable (see Wire & Cable) Cable carrier systems Capacitors* CATV systems equipment amplifiers automatic program switchers directional couplers power inserters power supplies splitters Chokes Coil & Wedge Inserter Equipment Commutators* Commutator brushes* Commutator saws* Commutator slotters* Commutator V-rings Conduit Connection blocks Consumer products electric blankets heating pads heat bonnets sinus masks heat masks heat bandages neck and throat heat pads propane torch kits* portable refrigerators* gas camp stoves* gas lanterns* hand cutting tools* leak detector kits*

facial saunas thermal massagers oral hygiene appliances power drills* fire extinguishers* Control housings Controls automotive gas automatic valves gas combination valves gas main manual valves gas pilot valves gas top burner valves electrical electronic gas pressure regulators hydraulic actuated humidistats relavs solenoids switches system control packages thermal thermostats time delay transformers Cords and cord sets air conditioning appliance extension flexible general machine neoprene insulated plastic insulated portable power replacement rubber insulated Custom machinery **Diamond dies** Drain cocks and valves Drills, electric* Electrical maintenance products Electronic systems Extrusions aluminum plastic (flexible and rigid) Fan blades* Fittings appliance air brake brass compression evaporative cooler flared flareless garden hose gas range

hose high pressure inverted flare pipe POL space heater steel threaded sleeve Gas manifolds Gas pipe, plastic Gas valves automatic combination manual pilot top burner Gasoline Additives Hose adapters Hose ends Hose lines auto air brake auto power brake auto power steering Injection molding presses Insulation, electrical standard non-metallic materials pre-packaged insulation forms custom fabrications wire products (magnet, others) Lubricants grease, general purpose* grease, heat resistant oils, heat resistant oil additives Magnet wire Mica natural built-up (all forms) Mica splitting products Molding machines Moldings Motors, replacement* air conditioning appliance heating refrigeration accessories replacement parts Paints, varnishes, thinners* Plastics compression molded extrusions (flexible, rigid, dual durometer) injection molded molding and extrusion



resins transfer molded vacuum formed Progressive dies Punch presses Reclaiming ovens* Relays electrical electronic Rotors* Rubbers, Heat Resistant Screw machine products Sians indoor-outdoor point-of-purchase illuminated metal plastic Sleevings coated plain treated woven Solenoids Starter armature end fibers Stator winding equipment Switches electrical manual reed thermal Systems control packages Tapes woven slit pressure sensitive Taping machines **Terminal blocks** Terminal presses Terminals bullet electrical electronic headlight magnet wire piercing pin ring screw snap-on spade spark plug tab Thermostats disc strip hydraulic actuated Transformers electrical

*Denotes products distributed but not manufactured by Essex.

electronic TV/radio replcement Tubing extruded flexible heat shrinkable rigid spiral wrapped supported unsupported Twines* treated untreated plain coated Valves gas electro-magnetic actuated bi-metal actuated plumbing Wire and cable aerial air frame airport aluminum aluminum allov aluminum covered steel annunciator antenna appliance audio automotive bare bare armored ground batterv blanket bridle building burial butyl insulated CATV coaxial communications construction control copper copper alloy cotton covered cross-linked polyethylene drawn brazed strand drop electronic filled fixture gasoline and oil resistant high temperature high voltage hook-up hypalon insulated hypalon jacketed

ignition inside-outside station interlocked armored lead-in, TV, FM lead sheathed line locomotive low voltage control machine tool magnet magnetic recording medical mil. spec. miniature mobile home motor lead neoprene insulated neoprene jacketed non-metallic sheathed nylon jacketed orthodontic parallel plated, nickel or silver polyethylene insulated polyethylene jacketed portable power precision alloy primary rubber insulated rubber jacketed self supporting service entrance shielded signal silicone rubber insulated stainless alloy stainless steel starter armature formed station steel shielded stranded street lighting submersible pump suture teflon insulated telephone telemetering thermoplastic insulated thermoplastic jacketed thermostat trailer ultra fine utility weatherproof weaving welding Wire assemblies Wire drawing dies Wire drawing equipment Wire spools, plastic

Sales Offices & Warehouses

ULTIMHEAT C ARIZONA VIRTUAL MUSEUM Phoenix, 3882 W. Osborn Road, 85017 (\$5-w5) CALIFORNIA Anaheim, 1075 N. Patt Street, 92801 (s4, 6, 8, 9-w1, 6, 8, 9, 11) Corona, 14292 E. 6th Street, 91720 (s2) Los Angeles, 777 S. Mission Road, 90023 (s5, 7-w2, 4, 5, 7) Richmond, 100 W. Ohio Avenue, 94804 (s8, 9-w1, 8, 9) San Francisco, 777 Mariposa, 94107 (s2, 4, 5-w2, 4, 5) COLORADO Denver, 4600 Holly, 80207 (s8, 9-w4, 8, 9) FLORIDA Tampa, 2701 Adamo Drive, 33605 (s5, 8, 9-w5, 8, 9) GEORGIA Atlanta, 3316 Hamilton Blvd., S.W., 30315 (s2, 5-w2, 5) Atlanta, 170 Ottley Drive, 30324 (s8, 9-w4, 6, 8, 9) Atlanta, 1806 Plymouth Road, N.W., 30325 (s5-w5) ILLINOIS Chicago, 3501 W. Addison, 60618 (s2, 4, 6-w2) Chicago, 4545 Cortland, 60638 (s5) Chicago, 950 W. 40th Street, 60609 (s8, 9-w8, 9) Chicago, 4545 Armitage, 60639 (s7-w7) Chicago, 6235 S. Harlem Avenue, 60638 (s4) Chicago (Niles), 7550 Oak Park Avenue, 60648 (s5-w5) Decatur, 800 E. Garfield Avenue, 62526 (s1-w1) Rockford, 2816 N. Main Street, 61101 (w6) INDIANA Andrews, 303 N. Jackson Street, 46702 (s7) Auburn, West Township Road, 46706 (s2) Columbia City, U. S. Highway 30 West, 46725 (s8, 9-w5, 7, 8, 9) Fort Wayne, P. O. Box 958, Meyer Road, 46801 (s13) Fort Wayne, 1508 Wall Street, 46804 (s9) Fort Wayne, 1510 Wall Street, 46804 (s5) Fort Wayne, 1601 Wall Street, 46804 (s6-w6) Fort Wayne, 2817 Goshen Rd., 46808 (w7) Fort Wayne, 3405 Engle Road, 46809 (s14) Jeffersonville, 835 Spring St., 47130 (s7-w7) Kendallville, W. Mitchell Street, 46755 (w6) Logansport, 131 Godfrey Street, 46947 (s2) Marion, 2601 S. Adams Street, 46953 (s8-w8, 9) Mitchell, Grissom Avenue, 47446 (s2-w2) Muncie, P.O. Box 2423, 47302 (s3-w3) Peru, 600 W. 7th Street, 46970 (s3-w3) Union City, 409 W. Oak Street, 47390 (s7-w7) Vincennes, Box 266, 47591 (w6) KANSAS Pauline, University Blvd. & East Street, 66525 (s8, 9-w4, 8, 9, 11)

CODE KEY

w Warehouse Sales office Communications & CATV Div. 1. Controls Div. Electro-Mechanical Div. 2 3. Industrial Wire Products Div. 4 IWI Div. Magnet Wire Div. Metal & Plastic Products Div.

- 6.
- Power Conductor Div. 9 Wire & Cable Div
- 10. Wire Assembly Div.
- Essex/Casco
 Essex/NPI (Neon Products, Inc.)
 Transport Motor Express, Inc.
- (TMX) 14. Essex Custom Machinery (Ft. Wayne Tool & Die)

*Denotes products distributed but not manufactured by Essex.

KENTUCKY

Louisville, 615 Louisville Trust Bldg, 40202 (s12) Paducah, P. O. Box 1350, Carneal Road, 42001 (w8.9)

MARYLAND

Baltimore, 2610 Georgetown Road, 21230 (s5-w5)

MASSACHUSETTS

Boston, 11 Stilling, 02210 (s8, 9-w8, 9) Peabody, 247 Lynnfield Street, 01960 (s5-w5)

MICHIGAN

Berrien Springs, 100 Tudor Road, 49103 (s2, 4) Coldwater, 301 Industrial Ave., 49036 (w7) Detroit, 6233 Concord Avenue, 48211 (s3, 5, 7, 8, 9, 10-w3, 5, 7, 8, 9, 10, 11) Grosse Pointe, 10 Nottingham Building, 15324 E. Jefferson Ave., 48230 (s7) Hillsdale, 170 E. South Street, 49242 (w6) Three Rivers, 4th Street, 49093 (s8, 9-w8, 9) Troy, 1955 Stephenson Highway, 48084 (s7-w7)

MINNESOTA

Minneapolis, 3230 E. Hennepin, 55413 (s2, 8, 9-w8, 9)

MISSOURI

Kansas City, 1229 Atlantic, 64116 (s5-w5) St. Louis, 4343 Duncan Avenue, 63110 (s2, 5-w5) St. Louis, 5959 St. Louis Avenue, 63120 (s6, 8, 9-w8, 9) St. Louis, 4200 Miami Street, 63116 (s2)

NEW JERSEY

Linden, 401 E. Linden Ave., 07036 (s8, 9-w8, 9)

NEW YORK

Arcade, 108 Park Street, 14009 (w7) DeWitt, 4623 E. Genesee, 13214 (s2) Maspeth, 56-23 55th Avenue, 11378 (s8, 9-w8, 9) New York, 104 W. 40th Street, 10018 (s11) New York, Sperry Rand Building, 1290 Avenue of Americas, 10019 (s12)Pittsford, #1 Grove Street, 14539 (s8, 9-w8, 9) Rochester, 45 Saginaw Drive, 14623 (s8, 9-w8, 9) Syracuse, 202 Arterial Road, 13206 (s5)

NORTH CAROLINA

Charlotte, 1101 N. Hoskins Road, 28208 (s5, 8, 9-w5, 8, 9) Morgantown, P. O. Box 417, 28655 (w7) Mt. Airy, P. O. Box 807, 27030 (s7, 9-w7)

OHIO

Cincinnati, 10591 Chester Road, 45215 (s5-w5) Cleveland, 1231 E. 26th Street, 44114 (s5-w5) Cleveland, 4500 Willow Parkway, 44125 (s2, 6, 8, 9-w8, 9) Dayton, 2077 Embury Park Road, 45414 (s2, 6, 7) Lancaster, 211 N. Columbus Street, 43130 (s14) Lima, Neon Avenue, 45802 (s12) Mansfield, P.O. Box 1007, 44903 (s2)

OKLAHOMA

Oklahoma City, 420 N. Pennsylvania, 73107 (s5-w4, 5)

OREGON

Portland, 1900 N.E. 181st Avenue, 97230 (s5, 8, 9-w1, 5, 8, 9)

ULTIMHEAT PENNSYLVANIA VIRTUAL MUSEUM Conshohocken, Railroad & End Streets, 19428 (s2, 8, 9-w4, 8, 9) McKees Rocks, Graham Street Extension, 15136 (s6, 8, 9-w8, 9) Philadelphia, 915 N. Broad Street, 19123 (s5, 7-w5) PUERTO RICO Carolina, P. O. Box 1943, La Ceramica Annex, 00630 (s5 - w5)SOUTH CAROLINA Belton, P. O. Box 547, 29627 (s11-w11) Bennettsville, Highway 79, 29512 (s6-w4, 6) Chester, P. O. Box 68, 29706 (w1) TENNESSEE Franklin, Columbia Highway, P. O. Box 625, 37064 (s2) Hixson, 5228 Hixson Pike, 37343 (S2) Memphis, 2172 Wharf St., 38113 (s6, 8, 9-w8, 9) Nashville, 6526 Rolling Fork Drive, 37205 (s2) TEXAS Dallas, 4924 Greenville Avenue, 75206 (s2) Dallas, 3777 High Vista, 75234 (s12) Dallas, 2801 Pierce Street, 75233 (s5, 8, 9-w2, 5, 8, 9) Houston, 2222 Leeland Avenue, 77003 (s5-w5) Houston, 59901/2 Griggs Road, 77023 (s8, 9-w8, 9) Houston, 12806 Butterfly Lane, 77024 (s8, 9) WASHINGTON Seattle, 5501 First Avenue, South, 98108 (s5-w5) WISCONSIN Milwaukee, 2040 W. Wisconsin Avenue, 53233 (s5) Milwaukee, 2825 N. Mayfair Road, 53222 (s6) FOREIGN CANADA

Renfrew, Ontario, 20 Arthur Avenue, E., P. O. Box 185 (s2) ENGLAND Solihull, Warwickshire, Northampton House, Poplar Road (s2) GERMANY 2 Hamburg 61, Postfach 61 02 41 (s2) NORTHERN IRELAND Londonderry, Bligh's Lane (s10) SWEDEN Box 156, Vastra Frolunda 1 (s2)

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CODE KEY

w Warehouse Sales office 1. Communications & CATV Div.

- Controls Div.
 Electro-Mechanical Div.
 Industrial Wire Products Div.
- 5. IWI Div. 6. Magnet Wire Div.
- Magnet Wire Div.
 Metal & Plastic Products Div.
- Power Conductor Div.
 Wire & Cable Div.
 Wire Assembly Div.

- 11. Essex/Casco 12. Essex/NPI (Neon Products, Inc.) Transport Motor Express, Inc. (TMX) 13.
- 14. Essex Custom Machinery (Ft. Wayne Tool & Die)