

PLAINTIFF'S
EXHIBIT

B-8



EXHIBIT B-8
LABORATORIES

ELECTRICAL
CONSTRUCTION
MATERIALS

MAY 1976

Acme Electric Corp., Cuba, N. Y. 14727
 GTE Sylvania, Inc., Electrical Equipment Group, Waltham, Mass. 02154
 Sierra Switchboard Co., Menlo Park, Calif. 94025
 Sorgel Electric Corp., Subsidiary of Square D Co., Milwaukee, Wis. 53204
 Unicorn Industries, Anaheim, Calif. 92806
 Westinghouse Electric Corp., Greenville, Pa. 16125
 Zinsco Electrical Products, Los Angeles, Calif. 90012

WIRES (460 10) ZGZX

Insulated wire is intended for installation and use in accordance with the National Electrical Code. Unless indicated in the individual General Information sections under the various Wire Classifications, conductor sizes range from Nos. 14 Awg to 2000 MCM inclusive.

WIRES, ASBESTOS-INSULATED (460 12) ZHNV

Asbestos-insulated wires are classified and rated as follows:

Type A—with asbestos insulation, 300 volts maximum, Sizes No. 14 through No. 8 Awg inclusive, copper.
 Type AA—with an asbestos or glass braid and asbestos insulation, 300 volts maximum, Sizes No. 14 through No. 4/0 Awg inclusive, copper.
 Type AI—with impregnated asbestos insulation, 300 volts maximum, Sizes No. 14 through 8 Awg inclusive, copper.
 Type AIA—with an asbestos or glass braid and impregnated asbestos insulation, 600 volts maximum, Sizes No. 14 Awg through 1000MCM inclusive, copper.

»— LOOK FOR THE LISTING MARK —«

American Insulated Wire Corp., Pawtucket, R. I.
 Belden Corp., Geneva, Ill. 60134
 Carol Cable Co., Pawtucket, R. I. 02862
 Cerro Wire & Cable Co., Division of Cerro Corporation, New Haven, Conn. 06504
 Cleveland Insulated Wire Co., Cleveland 11, Ohio.
 Collyer Insulated Wire Co., Inc., Lincoln, R. I.
 Continental Wire & Cable Corp., Subsidiary of The Anaconda Co., York, Pa. 17405
 Electrical Cable Div., United States Steel Corp., Worcester, Mass. 01607
 General Electric Co., Bridgeport 2, Conn.
 Interstate Wire Corp., Minooka, Ill. 60447
 Jemco Insulated Wire Co., Joliet, Ill. 60434
 Radix Wire Co., The, Cleveland 32, Ohio.
 Techbestos, Inc., Moonachie, N. J.
 Teledyne Western Wire & Cable, Los Angeles, Calif. 90058
 Triangle PWC, Inc., New Brunswick, N. J. 08903
 Westlake Insulated Wire Co., Westlake, Ohio.

WIRES, ASBESTOS-VARNISHED-CLOTH (460 13) ZIBT

Asbestos-varnished-cloth wires are classified as follows:

Type AVA—an asbestos or glass braid, and insulation consisting of varnished cloth and impregnated asbestos. Sizes No. 14 Awg through 2000MCM inclusive, copper.
 Type AVB—a flame-retardant cotton braid, and insulation consisting of varnished cloth and impregnated asbestos. Sizes No. 18 Awg through 2000MCM inclusive, copper, and No. 12 Awg through 1000MCM inclusive, aluminum or copper-clad aluminum.
 Type AVL—a lead covering, and insulation consisting of varnished cloth and impregnated asbestos. Sizes No. 14 Awg through 2000MCM inclusive, copper.
 Wires for use at voltages above 600 are indicated by adding numerical suffixes to the type letters, as follows:

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 Thermopla
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Wires, Asbestos-Varnished-Cloth—Continued

Numerical Designation	Maximum Working Voltage
16	1000
20	2000
30	3000
40	4000
50	5000

All manufacturers are listed for 600-volt wires. As stated in the individual listings, certain manufacturers are also listed for wires with voltage rating up to 5000 volts.

Type AVB wire may employ copper, or aluminum, or copper-clad aluminum conductors. Wires with copper-clad aluminum conductors are surface printed "AL (CU-CLAD)." Wires with aluminum conductors shall be surface printed "AL."

The ampacity of copper-clad aluminum conductors is the same as for aluminum conductors. The wire connectors used with copper-clad aluminum conductors shall be recognized for use with copper and aluminum conductors and shall be marked "AL-CU," except that 12-10 AWG solid copper-clad aluminum conductors may be used with wire binding screws and in pressure-plate and push-in spring-type connecting mechanisms that are recognized for use with copper conductors. Copper-clad aluminum conductors are suitable for intermixing with copper or aluminum conductors in terminals for splicing connections only when the wire connectors are specifically recognized for such use. Such intermixed connections are limited to use in dry locations.

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American Insulated Wire Corp., Pawtucket, R. I.

Cerro Wire & Cable Co., Division of Cerro Corporation, New Haven, Conn. 06504

Cleveland Insulated Wire Co., Inc., Cleveland 11, Ohio.

Collyer Insulated Wire Co., Inc., Lincoln, R. I.

Continental Wire & Cable Corp., Subsidiary of The Anaconda Co., York, Pa. 17405

Electrical Cable Div., United States Steel Corp., Worcester, Mass. 01607

General Electric Co., Bridgeport 2, Conn.

Radix Wire Co., The, Cleveland 32, Ohio.

Techbestos, Inc., Moonachie, N. J.

Teledyne Western Wire & Cable, Los Angeles, Calif. 90058

Triangle PWC, Inc., New Brunswick, N. J. 08903

Westlake Insulated Wire Co., Westlake, Ohio 44145

FIXTURE WIRE (460 16) ZIPR

Fixture wires are rated 600 volts, or less, as shown, and comply with the Standard for Flexible Cord and Fixture Wire of Underwriters' Laboratories, Inc. (UL62).

All conductors are copper except fixture wire having a temperature rating higher than 90 C may employ nickel.

Thermoplastic compounds may stiffen at temperatures below minus 10 C (14 F) and care should be used in handling at such temperatures.

Gasoline resistant wire has been tested at 30 C when immersed in gasoline. It is considered inherently resistant to gasoline vapors within the limits of the temperature rating of the wire type.

Gasoline resistant TFN or TFFN—Indicates a TFN and TFFN conductor with a jacket of extruded nylon suitable for exposure to mineral oil, and to liquid gasoline and gasoline vapors at ordinary ambient temperature. It is identified by tag marking and by printing on the insulation or nylon jacket with the designation "Type TFN (TFFN) Gasoline and Oil Resistant I" if suitable for exposure to mineral oil at 60 C or "Type TFN (TFFN) Gasoline and Oil Resistant II" if the compound is suitable for exposure to mineral oil at 75 C.

Fixture wires are classified as follows:

60 C maximum operating temperature.

Thermoplastic-insulated wires.

600 v, 18-16 AWG sizes: Types TF, TFF.

Christmas-tree wires.

125 v, 20-18 AWG size: Type FXT*.

*The maximum voltage is 300, provided that the nominal thickness of the insulation on the conductor is 2/64 in.

75 C maximum operating temperature.

Rubber-insulated, heat-resistant wires.

300 v, 18 AWG size: Types RFH-1, FFH-1.

600 v, 18-16 AWG sizes: Types RFH-2, FFH-2.

90 C maximum operating temperature.

Cotton-insulated wire.

300 v, 18-10 AWG sizes: Type CF.

Thermoplastic-insulated wires.

600 v, 18-16 AWG sizes: Types TFN, TFFN.