



## Atlas Wire Corporation has a complete line of RoHS Complaint Products Available NOW!

RoHS is an acronym for the European Union's directive to **R**estrict the use **o**f certain **H**azardous **S**ubstances in electrical and electronic equipment being put into the "European Economic Area." The directive states that from July 1, 2006, new electrical and electronic equipment put on the market will not contain the six hazardous substances.

The RoHS restricted substances are: Lead; Mercury; Cadmium; Hexavalent Chromium; Polybrominated Biphenyls; and Polybrominated Diphenyl Esters. The current tolerated levels of acceptance for each of the substances are: Cadmium = .01% or 100 PPM; Lead = .1% or 1,000 PPM; Mercury = .1% or 1,000 PPM; Hexavalent Chromium = .1% or 1,000 PPM; Polybrominated Biphenyls = .1% or 1,000 PPM; Polybrominated Diphenyl Esters = .1% or 1,000 PPM.

American Companies are concerned about this European Directive because we operate in a global economy and many products made in the United States are exported to other countries. Distributors stock products without knowing where they might eventually be sold. There is concern that material purchased today may be unsaleable to the European Market in the near future. Many large companies have already started using RoHS compliance as a criteria for vendor selection.

Products that will be placed in the European market that rely on electric currents or electromagnetic fields to work properly will need to comply. There are 8 classes of products that need compliance:

**Large household appliances – examples:** large cooling appliances; refrigerators; freezers; other large appliances used for refrigeration, conservation and storage of food; washing machines; clothes dryers; dish washing machines; cooking; electric stoves; electric hot plates; microwaves; other large appliances used for cooking and other processing of food; electric heating appliances; electric radiators; other large appliances for heating rooms, beds, seating furniture; electric fans; air conditioner appliances; other fanning, exhaust ventilation and conditioning equipment.

**Small household appliances – examples:** vacuum cleaners; carpet sweepers; other appliances for cleaning; appliances used for sewing, knitting, weaving and other processing for textiles; irons and other appliances for ironing, mangling and other care of clothing; toasters; fryers; grinders, coffee machines and equipment for opening or sealing of containers or packages; electric knives; appliances for hair-cutting, hair drying, tooth brushing, shaving, massage and other body care appliances; clocks, watches and equipment for the purpose of measuring, indicating or registering time; scales.

**IT and telecommunications equipment – examples:** centralized data processing; mainframes; minicomputers; printer units; personal computing; personal computers, including the CPU, mouse and keyboard; laptop computers, including the CPU, mouse and keyboard; notebook computers; notepad computers; printers; copying equipment; electrical and electronic typewriters; pocket and desk calculators; other products and equipment for the collection, storage, processing, presentation or communication of information by electronic means; user terminals and systems; facsimile; telex; telephones; pay telephones; cordless telephones; cellular telephones; answering systems; other products or equipment



of transmitting sound, images or other information by telecommunications.

**Consumer equipment – examples:** radio sets; television sets; video cameras; video recorders; hi-fi recorders; audio amplifiers; musical instruments; other products or equipment for the purpose of recording or reproducing sound or images, including signals or other technologies for the distribution of sound and image than by telecommunications.

**Lighting equipment, (including electric light bulbs and household luminaires) – examples:** luminaires for fluorescent lamps; straight fluorescent lamps; compact fluorescent lamps; high intensity discharge lamps, including pressure sodium lamps and metal halide lamps; low pressure sodium lamps; other lighting equipment for the purpose of spreading or controlling light.

**Electrical and electronic tools (with the exception of large-scale stationary industrial tools) – examples:** drills; saws; sewing machines; equipment for turning, milling, sanding, grinding, sawing; cutting; shearing; drilling; making holes; punching; folding; bending or similar processing of wood, metal and other materials; tools for riveting, nailing or screwing or removing rivets, nails, screws or similar uses; tools for welding, soldering or similar use; equipment for spraying, spreading, dispersing or other treatment of liquid or gaseous substances by other means; tools for mowing or other gardening activities.

**Toys, leisure and sports equipment – examples:** electric trains or car racing sets; hand-held video game consoles; video games; computers for biking, diving, running, rowing, etc.; sports equipment with electric or electronic components; coin slot machines.

**Automatic dispensers – examples:** automatic dispensers for hot drinks; automatic dispensers for hot or cold bottles or cans; automatic dispensers for solid products; automatic dispensers for money; all appliances which deliver automatically all kind of products.

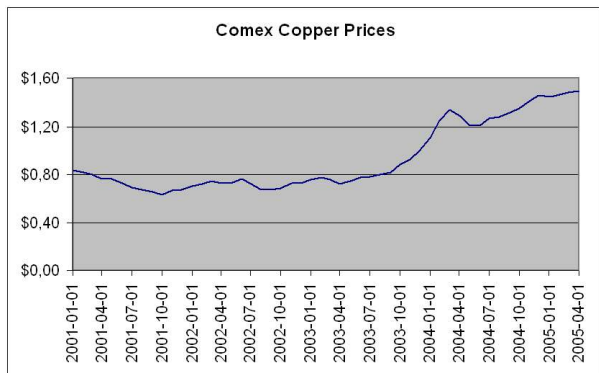
The directive states the “producer” is responsible for compliance. The directive defines the producer as any person who, irrespective of the selling technique used: manufactures and sells electrical and electronic equipment under his own brand, or resells under his own brand equipment produced by other suppliers, a reseller not being regarded as the producer if the brand of the producer appears on the equipment, or imports or exports electrical and electronic equipment on a professional basis into a member state.

Atlas can provide detailed Chemical Breakdown Sheets on the products you need now.

With the quickly approaching RoHS deadline, wire processors, distributors, and O.E.M’s should consider Atlas Wire Corporations full line of RoHS compliant products. Call Jan, Vivian, Jim, or Sandra to get your RoHS questions answered and consider Atlas Wire Corporation to get RoHS compliant products today.

## An Eye on the Copper Market

Copper prices started their rise in August of 2003 when Comex copper futures were trading at a price near 80 cents per pound. This 80 cent barrier was broken for the first time since 2001 and it’s continued a steady rise to where we find the market 20 months later with Comex copper trading at prices close to \$1.50 per pound. China’s strong demand and short supply have continued to fuel the high price of copper. Through the first 4 months of 2005, only China has met their forecasted demand for copper.



Call Vivian, Jan, Jim, or Sandra and see how fast Atlas can turn your “request for quote” into a completed order today!

## NEW PRODUCTS

Atlas Wire has started insulating 2-conductor CL3 rated wires. This adds to the following list of product capabilities.

Table of Recognized UL AWM Styles							
Single-conductor, thermoplastic insulation.							
1001	1036	1100	1206	1278	1339	1411	1617
1007	1038	1101	1207	1279	1340	1412	1618
1008	1039	1110	1208	1280	1342	1413	1624
1009	1040	1113	1211	1283	1343	1414	1642
1010	1041	1115	1220	1284	1344	1415	1647
1011	1042	1116	1223	1306	1345	1416	1650
1012	1043	1118	1228	1307	1346	1444	1662
1013	1044	1119	1229	1308	1358	1445	1672
1014	1045	1120	1230	1310	1369	1447	1673
1015	1046	1141	1231	1311	1383	1452	1674
1016	1047	1142	1232	1312	1384	1453	1680
1017	1048	1143	1233	1313	1389	1474	1683
1018	1049	1146	1234	1314	1390	1479	1692
1019	1050	1147	1235	1315	1391	1483	1729
1020	1051	1148	1236	1316	1392	1497	1730
1021	1052	1149	1237	1317	1396	1498	1731
1022	1053	1152	1238	1318	1397	1499	1747
1023	1054	1158	1239	1319	1400	1500	1825
1024	1055	1159	1240	1320	1401	1509	1855
1025	1056	1160	1265	1321	1402	1568	1865
1026	1057	1161	1266	1322	1403	1569	1950
1027	1058	1162	1270	1323	1404	1571	1984
1028	1059	1163	1271	1328	1405	1575	10002
1029	1060	1188	1272	1329	1406	1576	10070
1030	1061	1190	1273	1335	1407	1581	10198
1031	1095	1191	1275	1336	1408	1582	10236
1032	1096	1195	1276	1337	1409	1605	10269
1033	1099	1196	1277	1338	1410	1606	
Multiple-conductor, thermoplastic insulation.							
2432	2464	2474	2555	2722	2781	2802	2880
2433	2468	2476	2651	2776	2783	2818	2957
2444	2473	2501	2713	2780	2784	2865	20564
Single-conductor, Crosslinked Polyethylene Insulation.							
3167	3182	3195	3199	3272	3321	3344	3396
3173	3194	3196	3271	3290	3343	3352	3496
Single and multiple-conductor specialty items.							
5195							
Automotive							
SAE J1128 Type TWP	SAE J1128 Type GPT	SAE J1128 Type HDT	SAE J1128 Type TXL	SAE J1128 Type GXL	SAE J1128 Type SXL	Marine SAE J1128 and J378C	
Military							
M16878/1 Type B	M16878/2 Type C	M16878/3 Type d	M16878/17 Type BN	M16878/18 Type CN	M16878/19 Type DN	Mil W 76D Type MW	Mil W 76D Type HW
Nylon Coated							
THHN	TEWN	TFN TFFN		M16878/17 Type BN	M16878/18 Type CN	M16878/19 Type DN	UL 1316 UL 1452
Multi-Conductor Wire							
Bonded Ribbon Cable	Speaker Wire		Twisted Wire		UL CL2 UL CL2X		UL 2433

Some experts are turning bearish in their comments believing the supply shortfall could be substantially reduced or completely erased by the end of 2005.

In the light of the Copper Markets’ volatility, and current high prices, Atlas urges its customers to be mindful of inventories. Consider Atlas’ ability to fill smaller orders quickly and efficiently. Rather than having to inventory expensive copper wire, by using Atlas you can create a “Just in Time”-type supply chain system. Please talk to Jan, Vivian, Jim or Sandra and see what Atlas can do to get you optimum prices and help streamline your raw materials inventory system.

## Lead Times

Atlas Wire Corporations lead times are among the shortest in the industry. For standard strandings, Atlas ships most items 2-3 weeks after receipt of order and their most popular items can run once a week, so your lead-time may be much less. The following items are run at least once every two weeks: #18 UL1569; #18 UL1015; #16 UL1015; #22 UL1061; #22 UL1569; #22 UL1015; #24 UL1061; #24 UL1569.

As most of our customers know, Atlas goes the extra mile to keep our clients operating. Dan Borst, Atlas Wire’s scheduler, does his best to arrange runs for special situations. It’s not always easy, or efficient, but we have to consider the needs of the buyer.

Wire-Line