

0 Copper Wire

Copper conductor

demand for copper wire as an electrical conductor. Copper is the electrical conductor in many categories of electrical wiring. Copper wire is used in...

American wire gauge

gauge of wire. Very fine wire (for example, 30 gauge) required more passes through the drawing dies than 0 gauge wire did. Manufacturers of wire formerly...

Wire bonding

a third of all wire bonding machines in use will be set up for copper. Copper wire has become one of the preferred materials for wire bonding interconnects...

Wire

(For further information about copper magnet wire, see: Copper wire and cable#Magnet wire (Winding wire)). Coaxial cable is a cable consisting of an...

Beryllium copper

Beryllium copper (BeCu), also known as copper beryllium (CuBe), beryllium bronze, and spring copper, is a copper alloy with 0.5–3% beryllium. Copper beryllium...

Litz wire

000,000 Hz (6 MHz), the skin depth of copper wire is about 25 μ m (0.00098 inches). Round conductors such as wire larger than a few skin depths do not conduct...

Copper

reacts to form various copper sulfides. A one kilogram ingot of copper Unoxidized copper wire (left) and oxidized copper wire (right) The East Tower of...

Wire drawing

be performed at elevated temperatures for large wires to reduce forces. Of the elemental metals, copper, silver, gold, and platinum are the most ductile...

Speaker wire

the most important characteristic of speaker wire. Early speaker cable was typically stranded copper wire, insulated with cloth tape, waxed paper or rubber...

Metal theft (redirect from Copper wire theft)

on to copper wire, which can positively identify the wire as stolen even if the insulation is burned off. In Australia in 2008, 8 tonnes of copper wiring...

Oxygen-free copper

electrolytically refined to reduce the level of oxygen to 0.001% or below. Oxygen-free copper is a premium grade of copper that has a high level of conductivity and is...

Printed circuit board (redirect from 0.5 oz (copper weight))

planes and other features (similar to wires on a flat surface) etched from one or more sheet layers of copper laminated onto or between sheet layers...

International Annealed Copper Standard

conductivity of commercially available copper. Sometime around 1913, several copper samples from 14 important refiners and wire manufacturers were analyzed by...

Telephone line (redirect from Telephone wire)

telephones. These wires were typically copper, although aluminium has also been used, and were carried in balanced pairs of open wire, separated by about...

Skin effect (section Round wire)

wavelength in vacuum λ_0 of about 300 m, whereas in copper, the wavelength is reduced to only about 0.5 mm with a phase velocity of only about 500 m/s....

Armoured cable (redirect from Steel wire armoured cable)

In electrical power distribution, armoured cable usually means steel wire armoured cable (SWA) which is a hard-wearing power cable designed for the supply...

Safety wire

through the application of witness wire. The gauge of copper wire utilized in this application is such that the wire security can be overcome with minimal...

Glass-to-metal seal (section Platinum wire seal)

For wire feed throughs, dumet wire – nickel-iron alloy plated with copper – is frequently used. Its maximum diameter is however limited to about 0.5 mm...

Lemon battery

as a galvanized nail) and a piece of copper (such as a penny) are inserted into a lemon and connected by wires. Power generated by reaction of the metals...

Wire wrap

Wire wrap is an electronic component assembly technique that was invented to wire telephone crossbar switches, and later adapted to construct electronic...

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