

The background of the entire image is a dense, intricate pattern of thin, curved lines that resemble tangled metal wires or cables. These lines are illuminated from above, creating a strong sense of depth and texture, with bright highlights and deep shadows. The overall color palette is dark, with the glowing lines providing a high-contrast, industrial aesthetic.

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**NICKEL WIRE  
PRODUCTION FACTORY**

# Nickel Wire (NPO1/NPO2) Usecases

## PRODUCTIONS USING NICKEL WIRE WITH A 0.025 MICRON DIAMETER

Various areas of precision industry;

Electrical engineering:

Navigation;

Electronics and Components;

Micro welding;

Microelectronics;

Radio-electronic industry;

Production of GPS and GPRS systems;

High-precision and high-tech industries;

Nanotechnology;

Space Industry;

Vacuum equipment, pump screens, internal vacuum valve components;

Components inside vacuum tubes;

Resistors when significant changes in resistance are required at high temperatures;

Components of hydrogen thyratrons;

Electrical resistance thermometers;

Wire leads of lamps and grids;

Fiber optic and electronic connectors;

Superconductors;

Electricity transmission:

Motor commutator plates;

Transistor heads;

Anodes for electron tubes;

Semiconductor production;

Battery production;

Thermal and electron beam evaporators;

Low Temperature Organic Evaporator (nanotechnology);

Condensation from the vapor phase;

Vacuum deposition;

Atomic evaporation;

Sodium hydroxide production, especially at temp. above 300 degrees;

In the production of soap and viscose rayon;

In the production of aniline hydrochloride, benzene, methanol, ethanol:

- Production of vinyl chloride monomer.

# Theoretical Length

The theoretical total length of the material is **2,632,260 meters**.

## MATERIAL

Total 3 Plastic boxes with a total of **236 Steel bobbins** of nickel wire as below:

Box No.	Description	Bobbins	Nickel Wire Net Weight (gm)	Nickel Wire Length (meter)	ASA Seal Nos.
Box 1	Metal	32	1,594	362,260	073186-073182
Box 2A	Metal	204	10,000	2,270,000	073040-073108
Box 2B					073009-073187
TOTAL		236	11,594	2,632,260	

## BOBBINS

The bobbins were in good condition. Each bobbin was labeled with the identification number, the empty bobbin weight in grams (tare declared), the net nickel wire weight in grams (declared), and the gross weight in grams (net nickel wire declared + tare declared).

Based on the above mean of the nickel wire weight **11.594 grams**, the theorotical total length of the material is **2,632,260 meters**.

Isotopic distribution:

ISOTOPE		ABUNDANCE
58Ni	% at	68.1
60Ni	% at	26.2
61Ni	% at	1.14
62Ni	% at	3.64
64Ni	% at	0.92



# Theoretical Length

The theoretical total length of the material is **6,716,930 meters**.

## MATERIAL

Total 6 Plastic boxes with total **564 Steel bobbins** of nickel wire as below:

Box No.	Description	Bobbins	Nickel Wire Net Weight (gm)	Nickel Wire Length (meter)	ASA Seal Nos.
Box 1A	Metal	34	1,590	360,930	073185-073038
Box 2A	Metal	165	8,000	1,816,000	073026-073170 073058-073084
Box 2B	Metal	365	20,000	4,540,000	073182-073190 072965-073189 073189-072970
TOTAL		564	29,590	6,716,930	

## BOBBINS

The bobbins were in a good condition. Each bobbin was labeled with the identification number, the empty bobbin weight in grams (tare declared), the net nickel wire weight in grams (declared), and the gross weight in grams (net nickel wire declared + tare declared).

Based on the above mean of the nickel wire weight **29.590 grams**, the theorotical total length of the material is **6,716,930 meters**.

Isotopic distribution:

ISOTOPE		ABUNDANCE
58Ni	% at	68.1
60Ni	% at	26.2
61Ni	% at	1.14
62Ni	% at	3.64
64Ni	% at	0.92



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