

# Copper Clad Steel Wire Stranded Copper Steel Wire



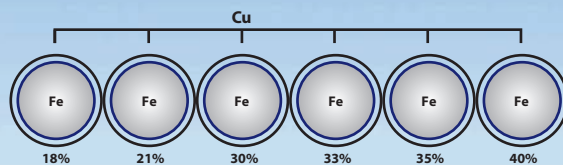
Copper Clad Steel Wire and Stranded Copper Steel Wire are the revolutionary material used to produce CATV, Communication Cable, Radio Frequency Cable, Electrical Cable and many other applications being developed. The main advantage for this new technology is the replacement of traditional solid copper wire, dispendious and subjected to frequent robbery causing many losses and trouble for transmission lines and operators.

Our products are made according to ASTM (American Standard Test Method) and BS (British Standard) in compliance with all Telecommunication industry, under quality control foreseen in ISO 9001/2000.

The bimetallic wire manufacturing process, employs two different metals combining beneficial properties of each one, in accordance to technical requirements.

Copper Clad Steel Wire and Stranded Copper Steel Wire employ steel wire SAE 1010, 1035, 1050, according to required project resistance x conductivity.

**Standard Type**



您的伙伴在中国

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AWG	DIAMETER mm	CROSS SECTION mm <sup>2</sup>	WEIGHT KG/KM	COPPER THICKNESS mm	NOMINAL RESISTANCE OHMS/KM	BREAKING LOAD - KGF		
						TYPE 1	TYPE 2	TYPE 3
<b>ASTM B -869 21% CONDUCTIVITY HARD DRAWN</b>								
10	2.588	5.261	41,9	0,07765	15.605	510	561	728
14	1.628	2.082	16,6	0,04884	39.436	193	212	288
18	1.024	0,823	6,5	0,03071	99.769	76	84	140
19	0,912	0,653	5,21	0,02736	125.724	61	66	111
20	0,813	0,519	4,14	0,02438	158.237	48	53	88

<b>ASTM B -227 ASTM B -452 - 30% CONDUCTIVITY HARD DRAWN</b>								
10	2.588	5.261	42,82	0,16824	10.923	420	558	662
14	1.628	2.082	16,94	0,10583	27.605	184	191	249
18	1.024	0,823	6,70	0,06654	69.839	67	80	127
19	0,912	0,653	5,31	0,05927	88.007	54	64	101
20	0,813	0,519	4,22	0,05283	110.766	43	51	80

<b>ASTM B -227 ASTM B -452 - 33% CONDUCTIVITY HARD DRAWN</b>								
20	0,813	0,519	4.247	0,06137	101.873	48	55	92

<b>ASTM B -227 ASTM B -452 - 35% CONDUCTIVITY HARD DRAWN</b>								
20	0,813	0,519	4.247	0,07646	95.323	50	59	96

<b>ASTM B -227 ASTM B -452 - 40% CONDUCTIVITY HARD DRAWN</b>								
10	2.588	5.261	43,25	0,25883	8.193	386	513	563
14	1.628	2.082	17,12	0,16281	20.704	141	181	228
18	1.024	0,823	6,77	0,10236	52.379	54	72	108
19	0,912	0,653	5,37	0,09119	66.005	44	57	85
20	0,813	0,519	4,27	0,08128	83.074	34	45	68

The demonstrated specifications are produced for all electronic and telecommunication purposes. All other diameters and specifications are produced under request.

## Coppral Products

COPPRAL CABLE & WIRE INDUSTRIES is specialized in supplying products from China since 1994. We participate in the market as Manufacturers and Traders, specially for segments of:

- Telecommunication • Energy Transmission • Data Transmission

### OUR MAIN PRODUCTS ARE:

- Copper Clad (and Plated) Wires and Stranded Wires, several diameters and DC electrical resistances, several standards: Q/320412 HTR003-2003; ASTM B452-02; ASTM B227-02; BS4087-1989;
- Copper Clad Aluminum Wires: diameters from 5,15mm to 0,12mm, several standards SJ/T11223-200; ASTM B566-93;
- Aluminum Clad Steel: Wires and Stranded Wires, reinforced, SJ/T11223-2000; ASTM B566-93;
- Aluminum Alloy: 5154, 6201, others, Wires and Stranded Wires;
- All Aluminum Conductor, Aluminum-Clad Steel reinforced, main technical parameters of ACSR (AW);
- Galvanized Steel Wire and Stranded, Class A;
- Steel and Stainless Steel Bolts & Nuts;
- Aluminum Foil, by Cu, AL, Steel, Polyester and other composite tapes employed as cable's shields and water-blocking (Polyacrylate Swelling Powder);
- Coaxial Cable RG6, RG11 and RG59, finished and semi-finished;
- LAN Cable;
- Drop Wire cable;
- Power Cable, OPGW, Submarine Cable, Optical Fiber and Accessories;
- High Speed Braid Machinery: vertical, horizontal, equipment for complete plants;
- Drawing Machinery for CCAW and CCSW, complete plants.

COPPRAL developed products with Assured Quality (AQ) and supplying involves all steps since factory production, delivery to Chinese Ports, sea freight contracting and CFR delivering to client's country.

Its market is based on Latin American and African countries, mainly for Brazilian market, where is supported by BANCOR INTERNACIONAL LTDA, based in São Paulo city, SP.

Deliveries are rigidly complied and costs are very competitive all over the world.

COPPRAL CABLE WIRE INDUSTRIES es especializada en suministros de productos hechos en China, desde 1994, con participación en el mercado, como Productor y Trader, con atención a los seguimientos siguientes:

- Telecomunicación • Transmisión de energía • Transmisión de datos.

### NUESTROS PRINCIPALES PRODUCTOS SON:

- Acero Cobreado (cinta de cobre y/o electrodeposición) en hilos y en cables torcidos, en diferenciados diámetros así como en las distintas especificaciones de resistencias óhmicas, observadas normas técnicas Q/320412 HTR003-2003; ASTM B452-02; ASTM B227-02; BS4087-1989;
- Aluminio Cobreado (cinta de cobre) en hilos y en cables, en todas las especificaciones constructivas de acuerdo a las normas técnicas: SJ/T11223-200 – ASTM B566-93;
- Acero Aluminio con la aplicación de capas uniformes de aluminio en hilos de acero y cables torcidos, observadas las normas técnicas: SJ/T11223-2000; ASTM B566-93;
- Aluminio-Liga: 5154, 6201, otras especificaciones, en hilos e cables;
- Conductor de Aluminio, Acero Aluminado reforzado, según parámetros de ACSR (AW);
- Acero Galvanizado hilos y cables, Clase A;
- Tornillos y tuercas in Acero Inoxidable y al Carbón;
- Cintas bimetálicas en Cu, AL, Steel, Poliester, ALPET y otras composiciones de cintas empleadas en blindaje de cables y bloqueo de humedad (Polyacrylate Swelling Powder);
- Cables Coaxiales RG6, RG11, RG59, terminados o semi-terminados;
- Cables LAN;
- Cable doble para teléfonos;
- Cable de Energía, OPGW, Submarinos, Cables Ópticos e accesorios;
- Tranzadera de alta producción: vertical, horizontal, equipos completos de una planta;
- Trefilerías para plantas de Acero cobreado y aluminio cobreado.

COPPRAL desarrolló productos con la Calidad Asegurada (QA) y los suministros envuelven todos los pasos desde la fábrica productora, despacho y embarque en el puerto en China, contratación de flete marítimo, hasta CFR al puerto de destino.

Su mercado esta basado en países de America Latina y Africa, principalmente para el mercado Brasileño, donde esta representada por la empresa BANCOR INTERNACIONAL LTDA, São Paulo, SP. Los embarques de órdenes son cumplidos rígidamente y los costos son competitivos en todo el mundo.

**All in Copper,  
Steel &  
Aluminum**

- Electronic
- Electrical
- Radio Frequency
- Data Transmission
- Telecommunication
- Energy Transmission
- Raw Material and Semi-finished



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