



Copper Clad Aluminum Wire



Copper Clad Aluminum Wire is a dual metal conductor composed by round aluminum core outside and uniform and even copper coating inside. The copper clad aluminum wire characterizes by both the small density of aluminum and the good conductivity of copper. This kind of bimetallic composite wire is suited for most electrical conductor applications.

It is widely applied in CATC coaxial cable, RF cable, data cable, cable for electronic, cable for computer, electronic magnetic cable, power transmission, signal transmission, HC communication network signal transmission, control signal cable, light vehicle cable, welding cable, urgent removal cable, TV exciting coil, deflecting coil, ballast coil and other fields.

Advantages:

- Good electricity conducting performance (could be treated the same as pure copper wire when the frequency is higher than 5MHZ);
- Lower cost and copper material saving. Density of copper clad aluminum wire is lower than density of pure copper wire, and its length is 2.5 as long as pure copper wire of the same weight;
- The CCA we can produce is 0.04-5.15mm and we also produce as customer's requirements.



您的伙伴在中国

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Nominal Diameter		Tensile Strength				Elongation min% in 10 in (or 250mm)	
		Minimum of H Classes		Maximum of A Classes			
in	mm	Ksi	Mpa	Ksi	Mpa	H class	A class
0,2294	5,827	20	138	20	138	1,5	15
0,2043	5,189	22	152	20	138	1,5	15
0,1819	4,620	23	159	20	138	1,5	15
0,1620	4,115	24	166	20	138	1,5	15
0,1443	3,665	25	172	20	138	1,5	15
0,1285	3,264	26	179	20	138	1,0	15
0,1144	2,906	27	186	20	138	1,0	15
0,1019	2,588	28	193	20	138	1,0	15
0,0907	2,30	29	200	20	138	1,0	15
0,0808	2,05	30	207	20	138	1,0	15
0,0720	1,83	30	207	20	138	1,0	15
0,0641	1,63	30	207	20	138	1,0	15
0,0571	1,45	30	207	20	138	1,0	15
0,0508	1,29	30	207	20	138	1,0	15
0,0453	1,15	30	207	20	138	1,0	15
0,0403	1,02	30	207	20	138	1,0	15
0,0359	0,912	30	207	20	138	1,0	15

Nominal Diameter		Tensile Strength				Elongation min% in 10 in (or 250mm)	
		Minimum of H Classes		Maximum of A Classes			
in	mm	Ksi	Mpa	Ksi	Mpa	H class	A class
0,0320	0,813	30	207	20	138	1,0	15
0,0285	0,724	30	207	20	138	1,0	15
0,0253	0,643	30	207	20	138	1,0	15
0,0226	0,574	30	207	25	172	1,0	10
0,0201	0,511	30	207	25	172	1,0	10
0,0179	0,455	30	207	25	172	1,0	10
0,0159	0,404	30	207	25	172	1,0	10
0,0142	0,361	30	207	25	172	1,0	10
0,0126	0,320	30	207	25	172	1,0	5
0,0113	0,287	30	207	25	172	1,0	5
0,0100	0,254	30	207	25	172	1,0	5
0,0089	0,226	30	207	25	172	1,0	5
0,0080	0,203	30	207	25	172	1,0	5
0,0071	0,180	30	207	25	172	1,0	5
0,0063	0,160	30	207	25	172	1,0	5
0,0058	0,142	30	207	25	172	1,0	5
0,0050	0,127	30	207	25	172	1,0	5

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 bimetalicas 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;
- Trefileras 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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