Hwayih Metals

SINCE 1993

Specializing in various copper and
high-performance
copper alloy materials

華益金屬
HWAYIH METALS

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ABOUT US

HWAYIH

Established in 1993 in Hong Kong, HWAYIH METALS COMPANY Limited specializes in the sales of a variety of copper and high-performance copper alloy materials. HWAYIH METALS has obtained dealerships from many well-recognized manufacturers in Japan, Taiwan, China, and Korea.

HWAYIH METALS continues to develop and reform while upholding the initial core values - confidence, sincerity and perseverance - to grow with our suppliers and customers and create a mutually beneficial situation.

HWAYIH METALS started in the watch industry and further expanded to home appliances, computer, communication product, consumer electronic and automotive product industries; expanded from copper material for watch dial and second hand to relay, connector, and terminal-specific high-performance/high-strength copper alloy.

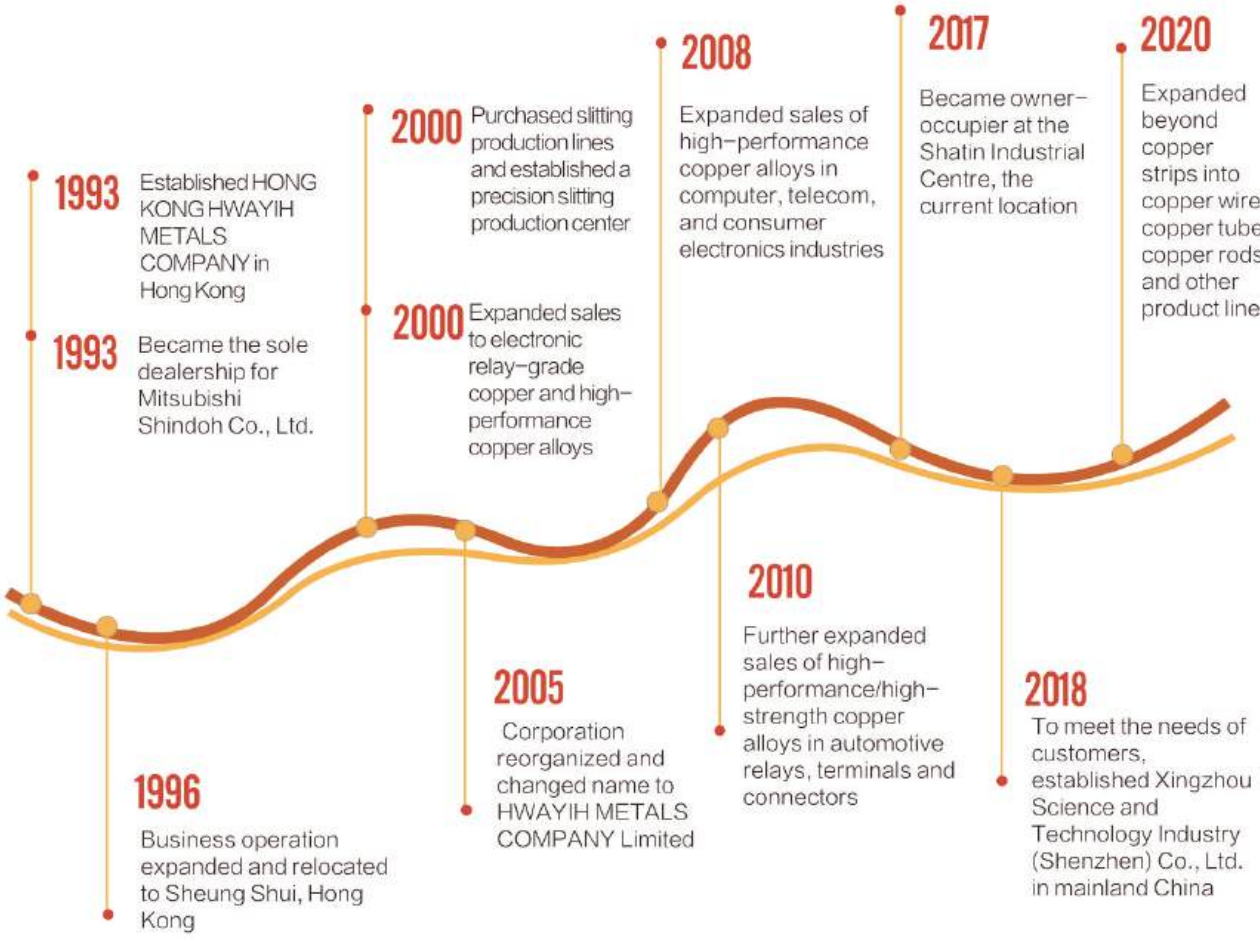
As our customers' demands diversified, we aim to deliver outstanding, convenient, and flexible services. In 2000, HWAYIH METALS established its own precision slitting production center to meet various material specifications, delivery deadlines and needs. In addition, we cooperate with electroplating factories, stamping factories, and special-shape material suppliers to further meet customers' requirements.

VISION MISSION

Build a strong reputation in the copper industry and pursue mutual benefits with customers; fulfill customer needs with sincerity; uphold the principle of "customer first" by providing a comprehensive one-stop global procurement service.

Continue to improve, keep advancing, and operate sustainably.

OUR HISTORY



Strip

CDA NO.	Temper	Electrical Conductivity (%)	Hardness (HV)	Tensile Strength (Mpa)	Material Properties	Applications
C10200	O~H	≥101	60~130	195~315	excellent electric and heat conductivity, workability,drawability. Free from hydrogen embrittlement when heated at elevated temparature	electrical materials, terminal materials, printed circuit boards, heat spreaders, and automotive battery packs
C11000	O~H	92~97	55~120	195~315	excellent electrical conductivity and thermal conductivity	RF cable tapes, transformers, relays, Hi-Fi speaker wires, contactors, inverters"
C18141	1/2H~SH	74~82	120~220	475~725	good tensile strength and conductivity, Good heat resistance	automotive and home appliance relays
C18141	SH+	77		676	superior tensile strength and conductivity, Higher strength, Good heat resistance	high-current terminals, relays, press-fit technology
C18150	1/4H~EH	85	150~200	480~690	excellent electrical and mechanical properties,great thermal conductivity, resistance to high-temperature softening & stress relaxation resistance	high-end automotive connectors, power electronic connectors, mobile communication connectors, lead frames, resistance welding electrode materials,large motor end rings
C18625	O~EH	80	70~160	280~540	good weldability, excellent heat resistance, good electrical conductivity	
C18665	O~SH	63	90~210	365~630	good conductivity, good strength and good bendability	automotive terminals, relay movable contacts, contact springs, busbars, circuit breakers, battery terminals, fuses
C19010	TM04~ TM08	50	120~220	360~620	high conductivity and strength, good cold an hot formability	lead frames, LED, terminal connectors, relays
C19210	O~EH	85	85~165	255~540	high electrical conductivity and strength, good cold an hot formability	lead frames, terminal, LED, connector
C19400	O~ESH	60	85~165	255~540	excellent conductivity, good tensile strength, good weldability & platability	lead frames, terminal connectors, relays, heat sinks
C26000	O~ESH	24~ 28.7	90~185	275~668	good elongation, good formability and platability	automative radiator, terminals, connectors
C26800	O~ESH	27	60~190	275~655	few pinhole, free from rolling mark, excellent workability	terminal connectors, decorative materials, watches

CDA NO.	Temper	Electrical Conductivity (%)	Hardness (HV)	Tensile Strength (Mpa)	Material Properties	Applications
C50710	1/2H-SH	25	110-190	430-650	high strength, excellent workability, great platability	automative terminals, electrical terminals, plug-in components, lead frames
C51910	1/2H~SH	≥13	150~230	490~715	good elongation, being pressed and processed wellgood platability	switches, lead frams, conntectors
C51110	1/2H~SH	≥20	120~220	412~657		switches, lead frams, conntectors
C64725	1/2H~ESH	48	125~230	450~700	balanced strength and electrical conductivity, with excellent heat resistance	terminals, switches, relays, contact springs, semiconductors
C64725	1/2H~ESH	37	150~250	540~800		terminals, switches, relays, contact springs, semiconductors
C64727	1/2H~SH	40	170~280	560~900		terminals, switches, relays, contact springs, semiconductors
C70250	TM00~TM10	40	140~275	550~840	high strength with electrical conductivity, and NiSi-phase alloy provides excellent stress relaxation resistance.	automotive connectors, lead frames, and flexible connectors.
C70350	TM02~TM06	44	220~300	690~970	hight strength, good bendability and good stress relaxation resistance	connectors, heat spreaders, smartphones, electronic instruments, automotive connectors, and switches
C75200	O~EH	6	90~210	375~640	excellent mechanical properties, good cold formability, and good machinability.	communication shielding materials, instrumentation, and medical devices
C7701	1/2H~SH	5	150~270	540~865	corrosion resistance, good workability, and high strength with good elasticity.	connectors, relays, switches, and semiconductor materials.

Wire

CDA NO.	Chemical Composition	Material Properties	Applications	Available Processes
C10200	Cu	Excellent thermal and electrical conductivity, ductility, and oxidation resistance	Applications	Silver Plating
C11000	Cu	Excellent thermal and electrical conductivity, ductility	Electrical products, chemical industry use	Silver Plating
C22000	90Cu-10Zn	Ductility, corrosion resistance, and cold forgeability	Electrical and chemical applications	
C23000	85Cu-15Zn		Decorative items, zippers, thermostatic devices	
C24000	80Cu-20Zn			
–	80Cu-20Zn			
C26000	75Cu-25Zn	Ductility and cold forgeability		REFLOW

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CDA NO.	Chemical Composition	Material Properties	Applications	Available Processes
C27000	70Cu-30Zn		Thumbtacks, small screws, pins, cross pins, springs, connectors	REFLOW
C27000	65Cu-35Zn			REFLOW
C28000	63Cu-37Zn			REFLOW
–	62Cu-38Zn		High-speed cutting wire	
–	57Cu-43Zn		high-precision cutting wire	
C32400	65Cu-1.2Al-Zn	Machinability and thermal/electrical conductivity	Connectors	
–	Cu-1Mn-2.3Si	Machinability and cold forgeability		
–	Cu-1Mn-2.5Si-0.07Ce	Corrosion resistance and seawater resistance		
–	Cu-1Mn-3Si			
–	Cu-1Mn-3.5Si		Connectors	
C14500	Cu-1.3Pb-P	Weldability	Connectors, thin welding sheets	
C19210	Cu-0.5Te-P		Terminals, connectors	
C19400	Cu-0.1Fe-P		Connectors	REFLOW
C19700	Cu-2.3Fe-0.1Zn-P	Ductility and thermal/electrical conductivity	Connectors	
–	Cu-0.7Fe-0.2P-0.1Mg	Fatigue resistance, corrosion resistance, and wear resistance		
C35000	Cu		Threaded sleeves, screw caps	
–	Cu			
C46400	90Cu-10Zn		Marine components, shafts, welding parts	
–	85Cu-15Zn	Weldability, corrosion resistance, and high strength		
–	80Cu-20Zn			
–	80Cu-20Zn			
C50710	75Cu-25Zn		Connectors	REFLOW
C51100	70Cu-30Zn	Machinability and thermal/electrical conductivity	Springs, buttons, terminals	REFLOW
C51000	65Cu-35Zn	Machinability and thermal/electrical conductivity		REFLOW
C51900	63Cu-37Zn	Thermal/electrical conductivity, high strength, and corrosion resistance	Welding wires, welding rods	REFLOW, Silver Plating
C52100	62Cu-38Zn			REFLOW
–	57Cu-43Zn	Thermal/electrical conductivity and high strength		
	65Cu-1.2Al-Zn	Thermal/electrical conductivity and high strength	MIG wires, screws	
–	Cu-0.1Mg			
C72500	Cu-2.3Sn-9Ni	Ductility, heat resistance, and corrosion resistance	Can openers, connectors	
C70250	Cu-3Ni-0.7Si-0.2Mg	Thermal/electrical conductivity and high strength	Connectors	
–	Cu-2.4Ni-0.6Si-0.45Cr			
C50100	Cu-0.6Sn-P	Thermal/electrical conductivity and high strength	Connectors	
–	Cu-0.15Sn			
C12200	Cu-0.03P	Excellent thermal/electrical conductivity, ductility, and resistance to hydrogen embrittlement	Electrical products, chemical products	
C10700	Cu-0.085~0.102Ag	Thermal and electrical conductivity		

Rod

	Type	JIS	JIS (Alternative)	Composition	Characteristics
Cadmium-free Brass Rods	Brass	B42	C2600B	70Cu-Zn	Cold workability, rollability
Cadmium-free Brass Rods	Brass	B62	C2700B	65Cu-Zn	
Cadmium-free Brass Rods	Brass	B72, B82	C2800B	62Cu-Zn, 60Cu-Zn	Hot workability
Cadmium-free Brass Rods	Free-Cutting Brass	U15P	C3601B	61Cu-2Pb-Zn	Rollability, rivetability
Cadmium-free Brass Rods	Free-Cutting Brass	U24P, U25P	C3602B	60.5Cu-3Pb-Zn	Rivetability, general use
Cadmium-free Brass Rods	Free-Cutting Brass	A32P	C3603B	57.5Cu-3.5Pb-Zn	General use
Cadmium-free Brass Rods	Free-Cutting Brass	A44P	C3604B	58.4Cu-3Pb-Zn	General use
Cadmium-free Brass Rods	Forging Brass	F1TP	C3712B	58.7Cu-0.6Pb-Zn	Resistance to stress corrosion cracking susceptibility
Cadmium-free Brass Rods	Forging Brass	F3P	C3771B	58.7Cu-2Pb-Zn	Hot forgeability
Cadmium-free Brass Rods	High-Strength Brass	H53P	C6782B	58.5Cu-Fe-Mn-Al-Zn	High strength, corrosion resistance
Cadmium-free Brass Rods	Dezincification-Resistant Brass	Z34P	C3531B	61.5Cu-Pb-Sn-P-Zn	Dezincification resistance
Lead-free Cadmium -free Brass Rods	Free-Cutting Brass	BZ5A	C6801	59.5Cu-Bi-Zn(Pb<=0.01)	General use
Lead-free Cadmium -free Brass Rods	Forging Brass	BZ5F	C6801B	58.5Cu-Bi-Zn(Pb<=0.01)	Hot forgeability
Lead-free Cadmium -free Brass Rods	Dezincification-Resistant Brass	BZ3N	C6802B	61Cu-Bi-Zn(Pb<=0.01)	Dezincification resistance
General Brass Rods	Free-Cutting Brass	U15	C3601B	61Cu-2Pb-Zn	Rollability, rivetability
General Brass Rods	Free-Cutting Brass	U24, U25	C3602B	60.5Cu-3Pb-Zn	Rivetability, general use
General Brass Rods	Free-Cutting Brass	A32	C3603B	57.5Cu-3.5Pb-Zn	General use
General Brass Rods	Free-Cutting Brass	A35		58.4Cu-3Pb-Zn	General use
General Brass Rods	Free-Cutting Brass	A36		59.3Cu-3Pb-Zn	General use
General Brass Rods	Free-Cutting Brass	A44	C3604B	58.4Cu-3Pb-Zn	General use
General Brass Rods	Forging Brass	F1T	C3712B	58.7Cu-0.6Pb-Zn	Resistance to stress corrosion cracking susceptibility
General Brass Rods	Forging Brass	F3	C3771B	58.7Cu-2Pb-Zn	Hot forgeability
General Brass Rods	High-Strength Brass	H53	C6782B	58.5Cu-Fe-Mn-Al-Zn	High strength, corrosion resistance
General Brass Rods	Dezincification-Resistant Brass	Z34	C3531B	61.5Cu-Pb-Sn-P-Zn	Dezincification resistance

Tube

CDA No.	Chemical Composition	Material Properties	Applications
C10200	Cu	Excellent thermal and electrical conductivity, good wear resistance, high plasticity and cold workability, easy to weld and process, and strong corrosion resistance to seawater.	Engine coolers, power plant condensers, marine heat exchangers, compressor coolers, petrochemical refinery coolers, electric motor coolers, seawater desalination evaporators, and air-conditioning cooling systems.
C11000	Cu		
C44300	CuZn28n1As		
C44500			
C68700	CuZn20Al2As		
C70600	CuNi10Fe1Mn		
C70610	CuNi10Fe1Mn		
C71640	CuNi30Fe2Mn2		
C2600	CuZn30	high strength, good toughness, excellent compressive and impact resistance, good waterproof performance, corrosion and oxidation resistance, impermeability, good platability, and energy-saving, environmentally friendly	Various faucets, towel racks, hangers, bathroom support fixtures, pipe joints and elbows, bathroom product connectors, rigid and flexible water pipes, and watchmaking applications.
C26130	CuZn30As		
C26200	CuZn33		
C27000	CuZn36		
C27200	CuZn37		
C28000	CuZn40		
C33500	CuZn37Pb0.5		
C44300	CuZn28Sn1	High hardness, strong density, excellent compressive strength, corrosion resistance, and wear resistance.	Oil well mercury tubes, petroleum pumping mercury pipes, oil transmission pipelines, various engine oil circuits, gas station fuel pipes, and fuel nozzles.
C46200	Cu-1Mn-2.5Si-0.07Ce		
C67000	Cu-1Mn-3Si		
C21000	CuZn5	Good machinability, corrosion resistance, suitability for seawater contact environments, excellent mechanical properties, high bending and compressive strength, good electroplating performance, and adaptability to various requirements in the construction engineering field.	Shipbuilding, marine engineering, offshore fish farming cages, and construction engineering.
C22000	CuZn10		
C23000	CuZn15		
C24000	CuZn20Al2As		
C60600	CuAl5		
C61000	CuAl8		
C75400	CuNi8Zn20		
C75700	CuNi2Zn24		

ENAMELED ROUND COPPER WIRE

Series	Type	Insulating Layer	Thermal Class	Dimensions (mm)	Reference Standard
Corona Resistant Enameled Wire	QP	Polyesterimide/ Polyamideimide	200(N)	0.200-3.000mm	Customer Standard
Polyester	PEW(QZ)	Polyester	130(B) 155(F) 180(H)	0.050-3.000mm	130: Customer Standard 155: IEC60317-3 180: Customer Standard
Polyamide Overcoated with Polyester	PEW/N(QZ/N)	Polyester/ Polyamide (Nylo)	130(B) 155(F) 180(H)	0.050-3.000mm	Customer Standard
Solderable Polyurethane	UEW(QA)	Polyurethane	130(B) 155(F) 180(H)	0.050-1.000mm	130: IEC60317-4 155: IEC60317-20 180: IEC60317-51
Polyamide Overcoated with Solderable Polyurethane	UEW/N(Q(A/X))	Polyurethane/ Polyamide (Nylo)	130(B) 155(F) 180(H)	0.050-1.000mm	130: Customer Standard 155: IEC60317-21 180: IEC60317-55
Polyesterimid	EIW(QZY)	Polyesterimide	180(H)	0.050-3.000mm	IEC60317-8
Solderable Polyestermid	EIWS	Polyesterimide	180(H)	0.050-3.000mm	IEC60317-23
Polyamide Overcoated with Polyesterimid	EIW/N(QZY/N)	Polyesterimide/ Polyamide (Nylo)	180(H)	0.050-3.000mm	IEC60317-22
Polyamideimide Overcoatedwith Polyester/Polyesterimid	EI/ZIW(Q(ZY/XY))	Polyesterimide/ Polyamideimide	200(N) 220(R)	0.050-3.000mm	IEC60317-13
Self Bonding Polyamideimide Overcoated withPolyester/ Polyesterimid	EI/AIW/SB	Polyesterimide/ Polyamideimide/ Bonding coats	200(N)	0.200-0.800mm	IEC60317-38
Self Bonding Polyesterimide	EI/SB	Polyesterimide/ Bonding coats	180(H)	0.200-0.800mm	IEC60317-37
Self Bonding Polyurethane	UE/SB	Polyurethane/ Self bonding layer	130(B) 155(F) 180(H)	0.200-0.800mm	130: Customer Standard 155: IEC60317-35 180: IEC60317-36
Polyamideimide	AIW(QXY)	Polyamideimide	220(R)	0.25-3.000mm	IEC60317-57
Polyimide	QY	Polyimide	240(R)	0.25-1.500mm	IEC60317-46

ENAMELED RECTANGULAR COPPER WIRE

Series	Type	Insulating Layer	Thermal Class	Dimensions (mm)	Reference Standard
Polyurethane	UEW(QAB)	Polyurethane	130(B) 155(F) 180(H)	0.1-1.5mm²	Customer Standard
Polyesterimide	EIW(QZYB)	Polyesterimide	180(H) 200(N)	0.1-50mm²	IEC60317-28
Polyamideimide	AIW(QXYB)	Polyamideimide	220(R)	0.1-50mm²	IEC60317-58
Polyester	QZB	Polyeste	130(B) 155(F) 180(H)	0.1-50mm²	130:Customer Standard 155:IEC60317-16 180:Customer Standard
Polyamideimide Overcoatedwith Polyester/ Polyesterimide	EI/AIW(Q(ZY/XY)B)	Polyesterimide/ Polyamideimide	200(N) 220(R)	1-50mm²	IEC60317-29
Polyimide	QYB	Polyimide	240(R)	1-50mm²	IEC60317-47
Polyimide	Q(ZY/XY)B-BP	Polyesterimide/ Polyamideimide	200(N)	1-50mm²	Customer Standard

LITZ WIRE

Type	Insulating Layer	Dimensions (mm)	Reference Standard
Any type is available	Normal Insulation Varnish	1.5-6.0 mm< 50 strands	Customer Standard

ENAMELED ROUND ALUMINUM WIRE

Series	Type	Insulating Layer	Thermal Class	Dimensions (mm)	Reference Standard
Polyamideimide Overcoated with Polyester/Polyesterimide	EI/AIW/A(Q(ZY/XY)L)	Polyesterimide/ Polyamideimide	200(N) 220(R)	0.15-1.50mm	IEC60317-25
Polyamide Overcoated with Polyurethane	UEWN/A(Q(A/X)L)	Polyurethane/ Polyamide (Nylo)	130(B) 155(F) 180(H)	0.15-0.60mm	Customer Standard
Solderable Polyurethane	UEW/A(QA(L))	Polyurethane	130(B) 155(F) 180(H)	0.15-0.60mm	Customer Standard
Polyamide Overcoated with Polyester	PEWN/A(QZL)	Polyester/ Polyamide (Nylo)	130(B) 155(F) 180(H)	0.15-1.50mm	Customer Standard
Polyester	PEW/A(QZL)	Polyester	130(B) 155(F) 180(H)	0.15-1.50mm	Customer Standard
Polyamide Overcoated with Polyesterimide	EIWN/A(QZYL)	Polyesterimide	180(H)	0.15-1.50mm	Customer Standard
Polyesterimide	EIW/A(QZYL)	Polyesterimide	180(H)	0.15-1.50mm	IEC60317-15

BARE COPPER WIRE

Series	Dimensions (mm)	Reference Standard
Copper Rod	8mm	GB/T3952-2009
Bare Copper Round Wire	0.05mm-3.5mm	GB/T3953-2009
Bare Copper Stranded Wire	0.5-6mm^2	Customer Standard

TINNED ROUND COPPER WIRE

Series	Dimensions (mm)	Reference Standard
Tinned Annealing Wire	0.08–0.32mm	Customer Standard
Tinned Stranded Wire	12–22AWG	Customer Standard

ENAMELED COPPER CLAD ALUMINUM WIRE

Series	Type	Insulating Layer	Thermal Class	Dimensions (mm)	Reference Standard
Polyamideimide Overcoated with Polyester/ Polyesterimide	EI/AIW/CCA	Polyesterimide/ Polyamideimide	200(N) 220(R)	0.15–1.50mm	IEC60317–25
Polyamide Overcoated with Polyesterimide	EIWN/CCA	Polyesterimide	180(H)	0.15–0.60mm	Customer Standard
Polyesterimide	EIW/CCA	Polyesterimide	180(H)	0.15–0.60mm	Customer Standard
Polyamide Overcoated with Solderable Polyurethane	UEWN/CCA	Polyurethane/ Polyamide (Nylo)	130(B) 155(F) 180(H)	0.15–1.50mm	Customer Standard
Solderable Polyurethane	UEW/CCA	Polyurethane	130(B) 155(F) 180(H)	0.15–1.50mm	Customer Standard
Polyamide Overcoated with Polyester	PEWN/CCA	Polyester/ Polyamide (Nylo)	130(B) 155(F) 180(H)	0.15–1.50mm	Customer Standard
Polyester	PEW/CCA	Polyester	130(B) 155(F) 180(H)	0.15–1.50mm	IEC60317–15

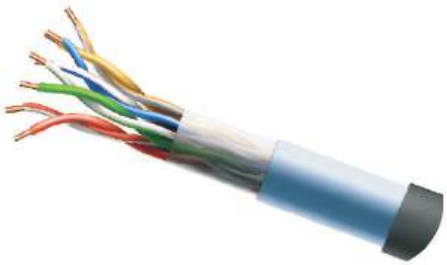
HOOK-UP WIRE

Series	Thermal Class	Dimensions(mm)	Reference Standard
RV Hook-up Wire	Heat-resistance temperature is 70℃	Conductor nominal sectional area is 1.5-6mm²	Product meet GB/T5023.3 standard
RV-90 Hook-up Wire	Heat-resistance temperature is 90℃	Conductor nominal sectional area is 0.5-2.5mm²	Product meet GB/T5023.3 standard
UL1015 Hook-up Wire	Heat-resistance temperature is 105℃	Specification segment is AWG12-22	Product meet UL758 standard
UL1430 Hook-up Wire	Heat-resistance temperature is 105℃	Specification segment is AWG12-22	UL758
UL3386 Hook-up Wire	Heat-resistance temperature is 105℃	Specification segment is AWG12-22	UL758VW-1
UL3266 Hook-up Wire	Heat-resistance temperature is 125℃	Specification segment is AWG12-22	UL758VW-1
AVR/AVR-90 Hook-up Wire	Heat-resistance temperature is 70/90℃	0.3-0.4mm²	JB/T8734.4
UL1007 Hook-up Wire	Heat-resistance temperature is 80℃	Specification segment is AWG12-22	UL758VW-1
Ul3321 Hook-up Wire	Heat-resistance temperature is 150℃	2Specification segment is AWG12-22	UL758VW-1
UL3173Hook-up Wire	Heat-resistance temperature is 125℃	Specification segment is AWG12-22	UL758VW-1
E(Z)-105/T、TX/ PVC300、600V	Heat-resistance temperature is 105℃	0.32-3.31mm²	GB/T38296
E(Z)-150/TX/ XLPO300、600V	Heat-resistance temperature is 150℃	0.32-3.31mm²	GB/T38296

SOCKET

Series	Product Model	Technical Parameter	Wiring Specifications	Reference Standard
Extension cablesocket with poweradapter	GDXC-00001A GDXC-00003A GDXC-00004A	MAX 2500W 10A 250V	60227 IEC 53(RVV) 3x1.0mm²	GB/T 1002-2021 GB/T 2099.1-2008 GB/T 2099.7-2015 GB 17625.1-2022 GB4943.1-2022 GB/T 9254.1-2021
Extension cablesocket	GDXC-00002A	MAX 2500W 10A 250V	60227 IEC 53(RVV) 3x1.0mm²	GB/T 1002-2021 GB/T 2099.1-2008 GB/T 2099.7-2015

POWER CORD



Series	Type	Insulating Layer	Thermal Class	Dimensions (mm)	Reference Standard
60227 IEC 52(RVV)	PVC Insulated Cable	D-Type PVC Mixture	70 (℃)	0.5-0.75mm^{2}2-3	GB/T 5023.5-2008 /IEC60227-5:2003
60227 IEC 53(RVV)	PVC Insulated Cable	D-Type PVC Mixture	70 (℃)	0.75-2.5mm^{2}2-5	GB/T 5023.5-2008 /IEC60227-5:2003
60245 IEC 53(YZ)	Universal rubber sleeve polyvinyl chloride mixture	Rubber and its Mixture	60 (℃)	0.75-2.5mm^{2}2-5	GB/T 5013.4-2008 /IEC60245-4:2004
60245 IEC 57(YZW)	Universal rubber sleeve polyvinyl chloride mixture	Rubber and its Mixture	60 (℃)	0.75-2.5mm^{2}2-5	GB/T 5013.4-2008 /IEC60245-4:2004
H03VV-F	PVC Insulated Cable European Standard	D-Type PVC Mixture	70 (℃)	0.5-0.75mm^{2}2-4	EN 50525-1:2001 EN 50525-2-11:2011
H03VVH2-F	PVC Insulated Cable European Standard	D-Type PVC Mixture	70 (℃)	0.5-0.75mm^{2}2	EN 50525-1:2001 EN 50525-2-11:2011
H05VVH2-F	PVC Insulated Cable European Standard	D-Type PVC Mixture	70 (℃)	0.75-1.5mm^{2}2	EN 50525-1:2001 EN 50525-2-11:2011
H05VV-F	PVC Insulated Cable European Standard	D-Type PVC Mixture	70 (℃)	0.75-4mm^{2}2-5	EN 50525-1:2001 EN 50525-2-11:2011
H05RR-F	Universal rubber sleeve polyvinyl chloride mixture	Rubber and its Mixture	60 (℃)	0.75-2.5mm^{2}2-5	EN 50525-1:2001 EN 50525-2-21:2011
H05RN-F	Universal rubber sleeve polyvinyl chloride mixture	Rubber and its Mixture	60 (℃)	0.75-2.5mm^{2}2-5	EN 50525-1:2001 EN 50525-2-21:2011
60227 IEC 10(BVV)	PVC Insulated Cable	D-Type PVC Mixture	70 (℃)	1.5-35mm^{2}2-5	GB/T 5023.4-2008 /IEC60227-4:1997"

Slitting & Warehousing Environment Control

To ensure customer satisfaction, HWAYIH METALS Co.Ltd are dedicated to providing excellent, effective, and quality service. Our highly accurate and dependable slitter center, constructed in 2000, continues to meet our customers' material specification and deadline requests.

Equipment and Tool Management

- Equipment maintenance (self owned & OEM)
- Blades, gaskets, sheets and partitions maintenance
- Blades' quality check / sharpness / roundness
- Gaskets' quality check / thickness tolerance / surface flatness

Critical Production Parameter Management

- Slitter Machine Speed
- Lift Table Pressure Testing
- Slitter Blade Gap Management
- Slitter Blade Depth Check
- Shear Angle Testing
- Equipment bench mark check
- Bearing and Band Motor Monitor

Environmental Control

- Perfectly Humidity control
- The 5S System: on-site self management and weekly inspection improvement

Productivity

- Standard working time and production management → standardization and digitization
- Produce maximum 5 tons / day per machine

Production

- Standardized, digitized, and visualized control
- Digitization management: blade depth testing with 10 mm thickness gauge ;
- hydraulic pension pad pressure testing
- Slitter precision degree :satisfy customer’ s request
- 0.12mm~1.4mm Slitter thickness range: 0.12mm~1.4mm
- 6.1mm~550mm Slitter width range: 6.1mm~550mm
- Quality control: scrap rate

Quality

- Incoming quality control + inprocess quality control + out-going quality control
- COIL.NO. Mark and Retractability Controlling Procedure: Single Roll Lot No. → Manufacturer's serial number → Jumbo Roll Coil No.

Humidity and Environmental Control

By maintaining relative humidity below 60% through sensitive dehumidifier and proper air circulation, the adverse effects of humidity are eliminated, including the process of corrosion.

Excellent Quality Control , Satisfy customer s request. We strive for continuous improvement and growth.

- Continuous Improvement / Mark and Retractability Control / Documentation / Change management / Performance Assessment
- Equipment Management / Main and Auxiliary Material Control / Measurement Control / Production and Environmental Control / Education Training / Production Planning and Scheduling Control / Slitters Quality Control
- Demands / purchase / inbound / slitter production / inbound / outbound / customer acceptance
- Order acceptance / Supplier management / incoming quality control / warehouse control / out going quality control / customer service management

Customized Manufacturing Services

Huayi Metals has a comprehensive production and quality management system. Through professional operatons and continuous technical improvement, we ensure stable material quality and reliable delivery schedules.

Current Capabilities

- **Slitting System:**
  Equipped with precision slitting technology to meet customer demands for a wide range of thicknesses and widths.
- **Warehousing Management:**
  An advanced warehousing system provides fast delivery, FIFO inventory management, and ensures high supply-chain efficiency.

Integrated Partnerships

- **Plating Partners**
  Collaborating with plating facilities to provide diversified surface treatments, enhancing corrosion resistance and functionality.
- **Stamping Partners**
  Working with stamping plants to deliver integrated solutions from raw material to finished components, reducing lead times.
- **Profiled Material Partners**
  Partnering with profiled material manufacturers to offer differentiated and customized product options for advanced applications.

Quality & Commitment

We continuously invest in testing equipment and process optimization, operating in compliance with international standards, to ensure customers receive highly stable and reliable products and services.


SINCE 1993
Specializing in various copper and
high-performance copper alloy materials
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