

WIRE PRODUCTS

Thanks to our fully integrated production process, which encompasses melting, rolling, scraping and drawing at one location, we are able to offer a broad spectrum of products with properties that are specially adapted to the intended application. Consistent material properties across the entire coil length are ensured by means of near-net-dimension wire casting and state-of-the-art protective gas hood-type furnaces as well as induction annealing lines.



Sundwiger Messingwerk	DIN EN Symbol	DIN EN No.	UNS	JIS	Electrical Conductivity [MS/m]	Thermal Conductivity [W/(m*K)]	Density [g/cm ³]	Applications
Bronze								
BD20	CuSn2	-	C50700	-	24.9	-	8.9	Connector pins, flat wire, screws, springs, rivets, pressed parts, power and connection wire, stranded wire, brushes & weaving wire, welding pins, resistance wire for heating elements, contact parts for lighting elements, wire mesh (construction), reinforcement (construction), spectacle frames
BD40	CuSn4	CW450K	C51100	C5111	11.6	-	8.9	
BD50	CuSn5	CW451K	C51000	C5102	9.8	-	8.9	
BD60 BD61 BD64 BD65	CuSn6	CW452K	C51900	C5191	8.1	-	8.9	
BD80	CuSn8	CW453K	C52100	C5212	6.9	-	8.9	
Multi-Component Bronze								
BY44	CuSn4Zn4Pb4	CW456K	C54400	C5441	11	80	8.8	Turned contact elements, connector pins
BY51	CuSn5Pb1	CW458K	C53400	C5341	9.8	80	8.8	
Copper-Magnesium								
SD01	(CuMg0.1)	CW127C	C18661	-	46.4	-	8.9	Power and connection wire, wire harnesses, connector pins, on-board electric systems, telecommunication cables, support cables for catenary wire, catenary wire for high-speed trains
SD02	CuMg0.2	CW127C	C18661	-	44.6	-	8.9	
SF02	CuMg0.2	CW127C	C18661	-	45.2	310	8.9	
SD03	(CuMg0.3)	CW127C	C18661	-	41.7	-	8.9	
SD04	(CuMg0.4)	CW128C	C18661	-	37.1	-	8.9	
SD05	CuMg0.5	CW128C	C18661	-	37.1	-	8.9	
High-Performance Alloys								
MT31	CuZn31Al5Ni3Ti1	-	-	-	-	-	-	Wear protection

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Nickel Silver								
ND07	CuNi8Zn28	-	C74300	-	5.2	-	8.7	Fashion jewelry, clips for pens, spectacle frames, springs, zip fasteners, bridges for musical instruments, scouring sponges
ND12	CuNi12Zn24	CW403J	C75700	-	4	-	8.7	
ND18	CuNi18Zn20	CW409J	C76400	-	2.9	-	8.7	
Brass								
MD15	CuZn15	CW502L	C23000	C2300	21	-	8.8	Electronics, electrical engineering, rivets, extruded parts, contact and fastening elements, battery pins, zip fasteners, fashion jewelry, watchmaking industry, arts and crafts
MD30	CuZn30	CW505L	C26000	C2600	15.7	-	8.5	
Low-Alloyed Copper Materials								
BD01	CuSn0.15	CW117C	C14410	-	46.4	-	8.9	Power & connection wire, stranded wire, connectors, connector pins, contact parts for lighting technology, contact elements, telecommunication cables, on-board electric systems, wire harnesses, flat wire, screws, pressed parts, rivets
BD03	(CuSn0.3)	CW129C	C18835	-	39.4	-	8.9	
BF03	(CuSn0.3)	CW129C	C18835	-	42.9	290	8.9	
BD06	CuSn0.6	-	C50100	C5010	36.5	-	8.9	
SD94	CuFe2P	CW107C	C19400	C1940	36.5	260	8.9	
Copper								
KD00	Cu-OF	CW008A	C10200	CW008A	58	-	8.94	Contact & fastening elements, screws & rivets for electronic applications
KD03	SE-CU/ Cu-PHC/Cu-HP	C10300	-	CW020A	58	-	8.94	
KD30	SF-CU/ Cu-DHP	C12200	C1220	CW024A	58	-	8.94	
KD58	E-Cu58 Cu-ETP	CW004A	C11000	C1100	57	-	8.94	