

# Metal working

## Alliages et normes

WROUGHT COPPER ALLOYS				
ISO	European Standard	UNS	Lba	Comments
COPPERS (>99% Cu) (C10100 to C15999)				
CuAl203		C15735	BICOP	
HIGH COPPER ALLOYS (>96%Cu) (C16000 to C19999)				
CuBe2	CW101C	C17200	CB2	Also fits RWMA classes 4
CuCoBe	CW104C		CB4	Also fits RWMA classes 3
CuNi2Si	CC331G	C18000	NS5 NS6	Also fits RWMA classes 3
CuCr1Zr	CW106C	C18150	CRM16 CRM16E	Also fits RWMA classes 2
CuCr1	CW105C	C18200	CRM15	Also fits RWMA classes 2
UNLEADED BRASSES (Cu-Zn) (C20000 to C29999)				
Cu-CuZn50			FIX	Brass coated copper wire
CuZn37	CW508L	C27200	ALSLA37	
CuZn37Si	CF729R		SML62	CF729R (EN 13347)
CuZn39Mn1SiSn	CF728R		SML61	CF728R (EN 13347)
CuZn40	CW509L	C28000	E60ST	
CuZn40MnSi	CF26R		SML60	CF762R (EN 13347), L-CuZn40 (DIN 8513), CU303 (EN 1044), B-Cu60Zn (Sn)(Mn) – 870/900 (EN 3677)
CuZn40Ni2Sn1SiFe			SML573	
CuZn40SiSn	CF725R		SML61L	L-CuZn40 (DIN 8516), SG-CuZn40Si (DIN 1733), CU302 (EN1044) B- Cu60Zn(Sn)(Si)-875/895 (EN ISO 3677)
CuZn40Sn1MnNiSi	CF731R		SML59F	CF731R (EN13347), L-CuZn39Sn (DIN 8513), CU306 (EN1044), Cu59Zn(Sn) (Si) – 870/890 (EN ISO 3677)
CuZn41SnNiSiFe			SML538	
NICKEL SILVERS (Cu-Ni-Zn) (C73500 to C79999)				
CuNi10Zn42			NML48	CF411J (EN 13347), L- CuNi10Zn42 (DIN 8513), CU305 (EN1044), B-Cu48ZnNi (Si)-890-920 (EN ISO 3677)
CuNi10Zn42Ag1Si			NMLAG	LN546Ag

## CAST COPPER ALLOYS

ISO	European Standard	UNS	Lba	Comments
<b>COPPERS &amp; HIGH COPPER ALLOYS (&gt;96%Cu) (C80000 to C83299)</b>				
CuCr1-C	EN 1982 / CC 140 C	C 81500	CuCr1 F35	
<b>BRASSES (Cu-Zn) (C83300 to C89999)</b>				
CuZn25Al5Mn4	EN 1982 / CC 762 S	C 86300		
CuZn33Pb2	EN 1982 / CC 750 S			
CuZn34Mn3Al2Fe1	EN 1982 / CC 764 S			
CuZn35Mn2Al1Fe1	EN 1982 / CC 765 S			
CuZn39Pb1Al1	EN 1982 / CC 754 S			
<b>BRONZES (Cu-Sn) (C90000 to C91999)</b>				
CuSn10	EN 1982 / CC 480 K	C 90700		
CuSn12	EN 1982 / CC 483 K	C 90800		
CuSn12Ni2	EN 1982 / CC 484 K	C 91700		
<b>LEADED BRONZES (Cu-Sn -Pb) (C92000 to C94500)</b>				
CuSn11Pb2	EN 1982 / CC 482 K			
CuSn7Zn2Pb3	EN 1982 / CC 492 K	C 92413		
CuSn7Zn4Pb7	EN 1982 / CC 493 K	C 93200		
CuSn5Pb9	EN 1982 / CC 494 K	C 93500		
CuSn5Zn5Pb5	EN 1982 / CC 491 K	C 93600		
CuSn10Pb10	EN 1982 / CC 495 K	C 93700		
CuSn5Pb20	EN 1982 / CC 497 K	C 94100		
<b>ALUMINIUM BRONZES (Cu-Al-Ni-Fe-Si-Sn) (C95000 to C95999)</b>				
CuAl8Mn				
CuAl10Fe2	EN 1982 / CC 331 G	C 95200		
CuAl10Ni3Fe2	EN 1982 / CC 332 G			
CuAl10Fe5Ni5	EN 1982 / CC 333 G	C 95520		
CuAl11Fe6Ni6	EN 1982 / CC 334 G			

## STEELS

Type	European Standard
Non-alloyed engineering steels	EN 10083-2
Non-alloyed quenched and tempered steels	EN 10083-3 ASTM A182
Cementation steels	EN 10084