

Alloy Designation	
EN	CuZn30 / CW505L
DIN	CuZn30 / 2.0265 DIN EN 1652
UNS	C26000 ASTM B36 B888
JIS	C2600

Chemical Composition		
Cu	68.5 - 71.5	%
Zn	Remainder	

Characteristics
C26000 (CuZn30, Cartridge Brass) is a versatile deep-drawing brass with excellent cold formability, good strength and reliable soldering/brazing—used from cartridge cases and decorative trim to terminals and stamped parts. Note: heavily cold-worked material can be prone to stress-corrosion (e.g., ammonia, mercury)—a stress-relief anneal reduces risk—and acidic environments may cause dezincification.

Main Applications
Cartridge & shell cases stamped electrical components
Automotive terminals Electrical Sockets
Door trim radiator cores & tanks
Jewelry hose couplings

Physical Properties (Reference values at room temperature)		
Density	g/cm ³	8.5
Electrical conductivity	IACS%(20°C)*	28
Modulus of elasticity	KN/mm ²	110
Coefficient of thermal expansion	10 ⁻⁶ /K	19.7
Thermal conductivity	W/(m*K)	126

*value for the lowest temper class

Mechanical Properties							
TEMPER		Tensile Strength Mpa	Yield Strength Mpa	Elongation %	Hardness HV	Bending Test (90°) GW BW	
R270	M20	270 - 350	max. 160	min. 40	55 - 105	0	0
R350	H01	340 - 430	min. 170	min. 21	95 - 125	0	0
R410	H02/H03	410 - 510	min. 260	min. 9	120 - 180	0	0
R480	H04	480 - 560	min. 430	min. 4	150 - 190	0	1.5
R550	H06	550 - 640	min. 480	min. 2	170 - 210	0.5	2.5

*This leaflet is for general information only and is not subject to revision. No claims can be derived from it unless there is evidence of intent or gross negligence. The data given are no warranty that the product is of a specified quality and they cannot replace expert advice or the customer’s own test.