

Trade name | CCZ

Material No.	EN Material No.	EN Designation	UNS
2.1293	CW106C	CuCr1Zr	C18150
RWMA			
Class 2			

Description | CuCr1Zr is a low-contained copper alloy and is thermally aged.

Special properties | Good mechanical properties and a high thermal and electrical conductivity. High strength.

Si ≤ %	Cr %	Cu %	Zr %	Fe %
0.10	0.50-1.20	Rest	0.03-0.30	≤ 0.08

Hardness HB 30 ≤ HB	0.2% Yield strength R <sub>p</sub> ≥ N/mm <sup>2</sup>	Tensile strength R <sub>m</sub> N/mm <sup>2</sup>	Elongation A <sub>5</sub> ≥ %	Modulus of elasticity kN/mm <sup>2</sup>
175	310	400-550	8-10	125

Density g/cm <sup>3</sup>	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical conductivity MS/m
8.91	370	310-340	≥ 43

Application | Electrical engineering, spot welding (automotive industry)

Available forms for 2.1293 / CuCr1Zr	Sheets/Plates	Bars	Wire	Tubes/Pipes	Forged / cast parts	Finished part (drawing)
						