

Trade name | CCB

| Material No. | EN Material No. | EN Designation | UNS |
|--------------|-----------------|----------------|--------|
| 2.1285 | CW104C | CuCo2Be | C17500 |
| RWMA | | | |
| Class 3 | | | |

Description | CuCo2Be is a low-contained copper alloy and is thermally aged.


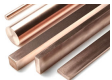


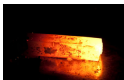

Special properties | Good mechanical properties and a high thermal and electrical conductivity. High strength.

| Cu % | Co % | Fe % | Be % |
|------|-----------|--------|-----------|
| Rest | 2.00-2.80 | ≤ 0.20 | 0.40-0.70 |

| Hardness HB 30 ≤ HB | 0.2% Yield strength R _p ≥ N/mm ² | Tensile strength R _m N/mm ² | Elongation A ₅ ≥ % | Modulus of elasticity kN/mm ² |
|------------------------|---|--|----------------------------------|---|
| 280 | 550 | 680-810 | 8 | 135 |

| Density g/cm ³ | Specific heat capacity J/kg K | Thermal conductivity W/m K | Electrical conductivity MS/m |
|------------------------------|----------------------------------|-------------------------------|---------------------------------|
| 8.85 | 420 | 230-250 | ≥ 25 |

Application | Aluminum die-casting, mould construction, welding technology

| Available forms for 2.1285 / CuCo2Be | Sheets/Plates | Bars | Wire | Tubes/Pipes | Forged / cast parts | Finished part (drawing) |
|--------------------------------------|---|---|---|--|---|---|
| |  |  |  |  |  |  |