

# Technical Datasheet HPW-304Cu

Cadmium free

## Norm

DIN EN ISO 17672:2017	Cu 471
DIN EN 1044:1999	CU 304
EN ISO 3677:2016	B-Cu58Zn(Sn)(Si)(Mn)-870/900
DIN 8513:1979	-

## Composition [mass friction %]

Cu	Zn	Sn	Mn	Si
58	41.325	0.35	0.15	0.175

## Valid impurity [max. mass friction %]

Al	As	Bi	Cd	Fe	Pb	Sb	total
0.001	0.01	0.01	0.01	0.25	0.025	0.01	0.2

## Technical Specifications

Melting range	870-900 °C
Solidus	870 °C
Liquidus	900 °C
Working temperature	900 °C
Density	8.2 g/cm <sup>3</sup>
Tensile strength	not specified

## Sources of heat

Inert gas soldering, vacuum soldering

## Application

Steels, Nickel, Nickel alloys, Chrome-, Chrome-nickel steels

## Delivery forms

Wires	Ø from 0.3 mm to 5.0 mm, available as bunch or on spools
Rods bare	Ø from 1.0 mm to 4.0 mm, in length von 50 mm to 1,000 mm (standard 500 mm)
Rods coated	standard diameter 1.5 mm, 2.0 mm and 3.0 mm; standard 500 mm (available with different thickness of flux)
Bands	from 0.05 mm thickness, maximum width 70 mm
Preforms	made of wires as rings, sections or band components in any shape made of band as discs, shims, blanks, or bent components in any shape
Flux	according to EN 1045 and EN 29454 on request

Other dimensions and forms available on request.