

Technical Datasheet HPW-303Cu

Cadmium free

Norm

DIN EN ISO 17672:2017	Cu 680
DIN EN 1044:1999	CU 303
EN ISO 3677:2016	B-Cu60Zn(Si)(Mn)-870/900
DIN 8513:1979	L-CuZn40

Composition [mass friction %]

Cu	Zn	Sn	Mn	Ni	Si
58	40.05	0.95	0.35	0.5	0.15

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	875-890 °C
Solidus	875 °C
Liquidus	890 °C
Working temperature	900 °C
Density	8.4 g/cm ³
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.