

CORROSION AND MOISTURE RESISTANT BONDING WIRE**ABSTRACT**

- 5 A wire comprising a core comprising or consisting of
(a) nickel in an amount in the range of from 0.005 to 5 wt.-%,
(b) optionally, silver in an amount in the range of from 0.005 to 1 wt.-%,
(c) copper in an amount in the range of from 94 wt.-% to 99.98 wt.-%, and
(d) 0 to 100 wt.-ppm of further components,
10 wherein all amounts in wt.-% and wt.-ppm are based on the total weight of the core,
wherein the core has an average size of crystal grains in the range of from 1.5 to 30
 μm , the average size determined according to the line intercept method,
wherein the wire has an average diameter in the range of from 8 to 80 μm .
- 15 Fig 1.