

Bare Wire Cobalt

Alloy: WWCobalt #12 Bare Wire / Rod

Conforms to Certification: AWS A5.21 ASME SFA A5.21

Class: ERCoCr-B

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AWS Chemical Composition Requirements

C = 1.2 - 1.7	Mo = 1.0 max
Mn = 1.0 max	Fe = 3.0 max
Si = 2.0 max	W = 7.0 - 9.5
Cr = 26 - 32	Co = Remainder
Ni = 3.0 max	Other = 0.50 max

Description

Type 12 bare rod develops high hardness, abrasion resistance and good corrosion resistance. These properties make type 12 the choice for cutting wood saws and bars and for industrial cutting applications for carpet, plastics, paper and chemical industries. It is non-forgable and can be machined with difficulty using carbide tools. Type 12 bonds well to all weldable grade steels, including stainless.

Deposited Chemical Composition % (Typical)

C = 1.5	Mo = 0.1
Mn = 0.06	Fe = 2.3
Si = 1.3	W = 8.5
Cr = 30.4	Co = Balance
Ni = 2.2	

