

PREMIUMCUT™ BRASS WIRE

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PremiumCut Brass Wire is made under private label by one of the world's largest EDM wire manufacturers for Single Source Technologies. It is made in Vietnam from virgin raw material using only the latest automated wire drawing machines. This results in a very clean and consistent product that is well suited for any auto wire threaders. PremiumCut Brass wire is an excellent choice for applications where both quality and economy are essential requirements.

It is offered both in a hard version drawn to tensile strength of 1,100 N/mm² with high zinc CuZn40 brass alloy as well as a soft version drawn to a tensile strength of 500 N/mm² with CuZn37 brass alloy.

PremiumCut EDM wire runs very well on Makino, Sodick, Fanuc, Chmer, Accutex, and Mitsubishi machines.

Straightness

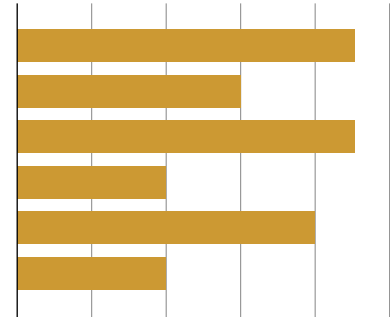
Strength

Cleanliness

Performance

Cut Quality

Cost



Straightness

A key factor in the reliability of automatic threading. Critical for older machines, not as critical for newer machines with wire annealing capabilities. Straightness is tested at both one meter and 300mm utilizing a custom designed fixture.

Strength

Primarily a measure of the wire tensile strength. However, in the case of Compeed wire, the ability to resist breakage under extreme conditions.

Cleanliness

A combined rating with respect to powder and residual lubricant or paraffin on the surface of the wire. This property is tested in a custom designed cleanliness testing machine as well as passing the wire through an actual pre-guide, power feed and guide assembly which mimics actual machine conditions.

Performance

The cutting speed potential relative to brass wire. Machine settings optimization may be required to attain the performance potential.

Cut Quality

The measured surface finish Ra and Rz resulting from an actual rough and multiple skim test cut.

Cost

Relative to standard brass wire

Primary Usages



Aerospace



Precision Machining



Tool & Die



Molds



General Machining



Medical



Production EDM