Certified wires
Define your wires depending on your needs.
GF Agie Charmilles offers you a wide range of certified wires perfectly adapted to your machining requirements. A wire EDM machine has a very wide range of applications and the choice of wire is crucial in order to obtain the best productivity and optimum results in terms of speed, precision and surface finish.

Processes for technological development, product accreditation and production control in cooperation with strategic partners, ensure that with GF AgieCharmilles certified wire your equipment is operating at peak precision and performance.

Even if you do not have any GF AgieCharmilles machines, you can benefit from Operations Support.

GF AgieCharmilles certified wires

- AC Cut X: Coated copper wire
- AC Cut XS: Coated brass wire
- AC Cut Xcc: Coated copper wire
- AC Cut A/G: Coated brass wire
- AC Cut A900/500: Brass wires
- AC Cut AH: Brass wires
- AC Cut 800/500: Brass wires
- AC Cut VS 900/500: Brass wires
- AC Cut VL 900/500: Brass wires
- AC Brass 900/500/400: Brass wires
- AC Brass LP 900/500: Brass wires
- AC Brass 950 PF: Brass wires
- AC Brass 1000: Brass wires
- AC Cut Micro A: Fine wire
- AC Cut Micro S: Fine wire
- AC Cut Micro A: Fine wire
- AC Cut Micro Brass: Fine wire

• Enhance your production quality
• Guarantee the performance of your machine
• Optimize production costs
How to choose the best wire for your production needs

Minimum Radii to cut defined the wire diameter

wire Ø

Ø ≤ 0.1 mm

More Detail

Ø ≥ 0.1 mm

surface finish

Ra ≥ 0.3 µm

machining priority

Ra ≤ 0.3 µm

More Quality

More Productivity

More Speed

More Affordable

Taper

< 8°

AC Cut AH

> 8°

AC Cut A 500

Taper

< 8°

AC Cut VS 900

> 8°

AC Cut VS 500

Generator

< 8°

IPG

> 20°

CD

8-20°

Taper

< 8°

AC Cut XS

> 20°

AC Cut D 500

> 20°

AC Cut VH

8-20°

Taper

< 8°

AC Brass 900

> 20°

AC Brass 500

8-20°

AC Brass 400

certified wires
The qualities of each GF AgieCharmilles wire are represented by a "radar" that will help you to make your choice according to the following 5 machining criteria:

**More Speed**

**AC Cut X | Coated copper wire**

- Copper core wire’s with a diffused zinc coating
- Specially developed for GF AgieChamilles machines to boost machining speed
- AC Cut Xcc the optimal solution when machining speed is the priority
- AC Cut XS the new generation of X wire
- AC Cut XS is 30% faster than a brass wire
- AC Cut XS the best compromise for fast delivery at a reasonable cost
More Quality
AC Cut A/G | Coated brass wire

- High performance zinc coated brass wires
- Specially developed for GF AgieChamilles machine to obtain perfect machining precision and surface finish < Ra 0.1 µm
- Perfect surface homogeneity
- Highest precision on geometrical details and part parallelism
- AC Cut AH the new generation of A wire
- AC Cut AH an unique wire for perfect surface quality reducing your production cost by 20 %
- AC Cut A 500 is particularly recommended for complex machining with large taper > 8°

More Productivity
AC Cut V | Brass wire with zinc base alloy

- New generation of brass wire with zinc base alloy
- The answer to the needs of most of mould, punch and die and general mechanic applications
- AC Cut VH new generation of wire that is the substitution of the AC Cut D
- AC Cut VS increase by 25 % parts production and reduce production cost by 20 % compare to brass wire
- AC Cut VS 900 the optimal solution when productivity is the priority
- AC Cut VS 500 is particularly recommended for complex machining with large taper > 8°
**More Affordable**  
**AC Brass | Brass wire**

- Brass wire made from very pure alloy in order to guarantee consistent quality and performance
- Multi-purpose wire price oriented wire
- Suitable for all machines on the market
- Available in different tensile strength to suit all taper machining
- AC Brass 950 PF offers a better straightness and surface quality. This wire is especially recommended for Fanuc and Mitsubishi machines.

**More Detail**  
**AC Cut Micro | Fine wire**

- **AC Cut Micro S**
  - High-tensile steel core wire with special coating treatment
  - For finest machining with perfect precision and surface finish
  - Available in diameter 0.10 to 0.02 mm
- **AC Cut Micro A**
  - High tensile zinc coated brass wires
  - For high machining quality with fine details
  - Available in diameter 0.07 to 0.05 mm
- **AC Cut Micro brass**
  - Brass wire made from very pure alloy
  - For standard machining with small details
  - Available in wire diameter 0.07 to 0.05 mm
At a glance

GF AgieCharmilles

We enable our customers to run their businesses efficiently and effectively by offering innovative Milling, EDM, Laser and Automation solutions. A comprehensive package of Customer Services completes our proposition.

Achieve more

We commit to a promise. That promise is “Achieve more”. It’s a commitment to create the right conditions for our customers to obtain competitive results. When our customers win, we win.

© Agie Charmilles SA, 2010
The technical data and illustrations are not binding. They are not warranted characteristics and are subject to change.