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## 1. GENERAL SPECIFICATIONS

With **Thermo SE®** it obtains a very high eroding speed wire.

**Thermo SE®** is recommended for all standard applications that require speed and accuracy, particularly in unfavorable flushing conditions.

The wire surface is extremely clean, reducing machine maintenance.

## 2. DETAILED CHARACTERISTICS

CORE:	Brass 80/20
COATING:	Alloy CuZn (phase bêta) et CuZn (phase gamma)
DIAMETER TOLERANCE:	0/ - 0.002 mm
OVALISATION:	0.002 mm (maxi)
TENSILE STRENGTH:	750 N/mm <sup>2</sup>
YIELD STRENGTH:	700 N/mm <sup>2</sup>
ELONGATION:	2%
CONDUCTIBILITY:	28% IACS

## 3. USAGE RECOMMENDED

**USE ON MACHINE:** all type of wire EDM machines (GFMS AgieCharmilles, Ona, Makino and Japanese machines)

**USAGE RECOMMENDED:** Wide range of standard applications in aeronautic, medical and molds. Recommended for machining large part (height >10 mm).

**MATERIAL:** Steel – copper – tungsten carbide – aluminium – nickel – titanium – PCD – Graphite

#### 4. PATENTS

EP 1 009 574	CA 2 302 202	US 5 945 010
EP 1 846 189	TW i391197	CN ZL2006 80004564,6
US 8 378 247	IN 262 000	JP 5 069 134
KR 10-1 653 551		

Manufactured in France by Thermocompact

#### 5. TESTS AND COMPARISON PERFORMANCES

Up to 20% faster than standards coated wires.

Surface finish: very good improvement of the surface finish on the workpiece during finishing.

**NB:** *this product specification sheet is upgraded on a regular basis, please check it regularly to obtain new tests and comparison performances.*