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1. GENERAL SPECIFICATIONS

THERMO XCC® is particularly recommended for large workpiece machining (H>150 mm). This wire is the ultimate solution when the priority is cutting speed.

2. DETAILED CHARACTERISTICS

CORE:	Copper
COATING:	Alloy CuZn (phase bêta)
DIAMETER TOLERANCE:	-3 µm maxi
OVALISATION:	2 µm maxi
TENSILE STRENGTH:	500 N/mm ²
YIELD STRENGTH:	450 N/mm ²
ELONGATION:	1.4%
CONDUCTIBILITY:	65% IACS

3. USAGE RECOMMENDED

USE ON MACHINE: GFMS AgieCharmilles

USAGE RECOMMENDED: Aeronautic production and general mechanics.

MATERIAL: Steel - copper - tungsten carbide -aluminium -nickel -titanium - PCD

4. PATENTS

EP 1 455 981

JP 4 516 753

BR 0 214 599

US 7 687 738

CN ZL 02 8 25126.1

Manufactured in Europe by Thermocompact.

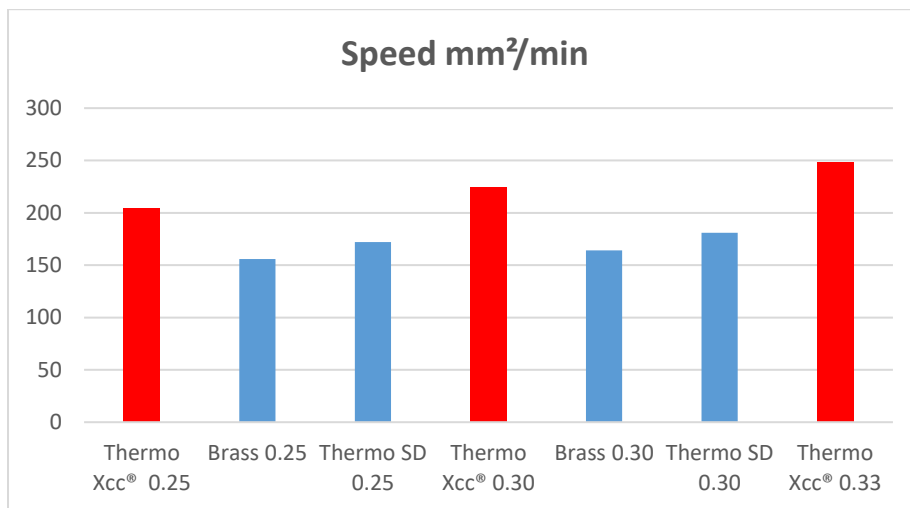
5. TESTS AND COMPARISON PERFORMANCES - Realized by Thermocompact R&D Department.

THERMO Xcc® is a wire dedicated to speed machining.

	Techno	SPEED (mm/min)	SPEED mm²/min
Thermo Xcc® Ø.25	CS25A	2.55	204
Brass 0.25		1.95	156
Thermo SD 0.25	LT25A	2.15	172
Thermo Xcc® Ø.30	CS30A	2.8	224
Brass 0.30	LT30A	2.05	164
Thermo SD 0.30		2.26	181
Thermo Xcc® Ø.33	CS33A	3.1	248

Testing conditions :

- Wire diameter : 0,25mm
- Steel material h= 80mm
- 1 main cut
- **GFMS Agie Charmilles Cut 240**
- **Technologies:** LT25A (brass 0.25) et LT30A



- Very high speed for **THERMO Xcc®** : it can go up to 250 mm²/min

6. COMMERCIAL AND PRODUCTIVITY GAINS / AVAILABILITY

Thermo Xcc proven benefits :

- ⇒ Very high speed in rough cut
- ⇒ Competitive advantage secured by patents

AVAILABILITY

Thermo Xcc		K100	T125	T160	T200	K250	K355
0,25 mm 0,010"	25Xcc			▪	▪	▪	▪
0,30 mm 0,012"	30Xcc			▪	▪	▪	▪
0,33 mm 0,013"	33Xcc			▪	▪	▪	▪

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