

# Stratified Wire: thermo SE

## Brass Core, CuZn Coating



The new high performance wire, Thermo SE, is part of a new generation of economic EDM wires that THERMOCOMPACT has developed. For the first time, Thermo SE combines a very high level of performance (speed and precision) and realistic savings on wear items and maintenance of

wire EDM machines.

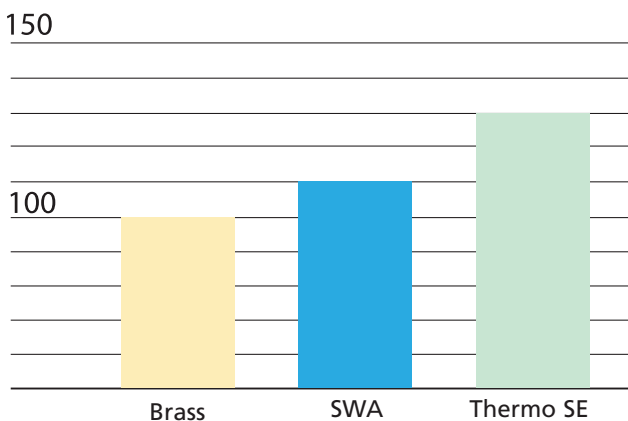
Thermo SE is suitable for all types of wire EDM machines.

- Very high speed cutting, up to 20% faster than standard coated wires
- Uses standard brass wire technologies
- Very good improvement of the surface finish on the workpiece during finishing
- Electric contact life extended up to 20%.
- Filter life increased up to 20%
- Reduction of wire speed and wire consumption possible during cutting of up to 20% less compared to standard wires
- Wire surface is extremely clean, reducing machine maintenance

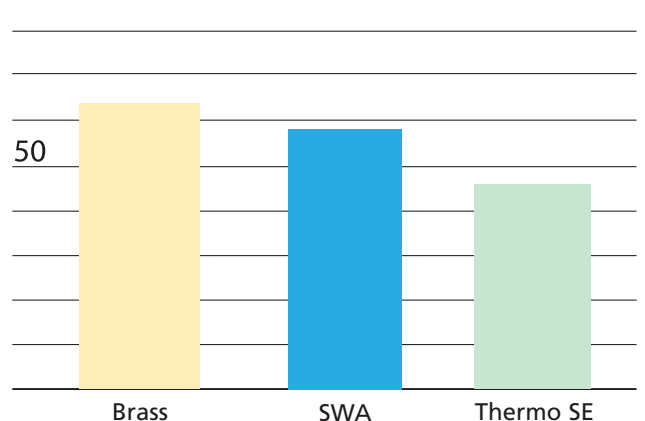
HIGH SPEED  
& PRECISION

Characteristics	Thermo SE
Core	CuZn Alloy
Coating	CuZn
Tensile strength	750 N/mm <sup>2</sup>
Yield strength	700 N/mm <sup>2</sup>
Elongation	2 %
Conductibility	28 % IACS

### Relative cutting speed %



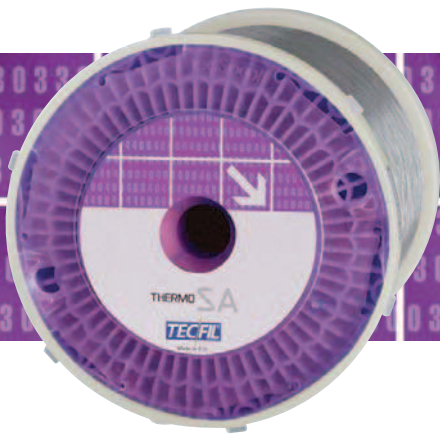
### Consumption of wire in Kg per m<sup>2</sup> of machined steel



Test performed on an AGIE WEDM machine, steel work piece, 50mm height

➤ **TECSPOOL** and **TECFIL** are **THERMOCOMPACT** brand names  
 Z.I route de Sarves, Metz-Tessy B.P 21  
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[www.thermocompact.com](http://www.thermocompact.com)






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### Thermo SE

		T125	T160	T200	K250	JP5	JP10	JP15
0,20mm 0,008"	Thermo SE	4 Kg 8,8 Lbs	8 Kg 17,6 Lbs	16 Kg 35,3 Lbs		5 Kg 11 Lbs	10 Kg 22 Lbs	20 Kg 44 Lbs
		14900 m 48800 Ft	29900 m 98000 Ft	59800 m 196100 Ft		18700 m 61300 Ft	37500 m 120000 Ft	74800 m 239300 Ft
0,25mm 0,010"	Thermo SE	4 Kg 8,8 Lbs	8 Kg 17,6 Lbs	16 Kg 35,3 Lbs	25 Kg 55 Lbs	5 Kg 11 Lbs	10 Kg 22 Lbs	20 Kg 44 Lbs
		9600 m 31400 Ft	19200 m 62900 Ft	38400 m 125900 Ft	60000 m 196800 Ft	12000 m 39300 Ft	24000 m 76800 Ft	48000 m 156600 Ft
0,30mm 0,012"	Thermo SE	4 Kg 8,8 Lbs	8 Kg 17,6 Lbs	16 Kg 35,3 Lbs	25 Kg 55 Lbs	5 Kg 11 Lbs	10 Kg 22 Lbs	20 Kg 44 Lbs
		6600 m 21100 Ft	13200 m 43200 Ft	26500 m 86900 Ft	41400 m 135800 Ft	8300 m 27200 Ft	16600 m 53100 Ft	33100 m 105900 Ft

HIGH SPEED  
& PRECISION

Thermo SE is only available on:

 TECFIL		
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