

# Ms60Sn0.5 (RBCuZn-A)

## Material Designation \*

AWS	RBCuZn-A
EN	CuZn40Sn (Cu 4700)
JIS	/
GB	SCu4700

## Chemical Composition

Cu	57.0-61.0	%
Zn	Balance	%
Sn	0.25-1.0	%



## Characteristics

It is a tin brass welding wire without silicon. The molten metal has good fluidity and it has certain strength and corrosion resistance. During welding, the danger of brittle joint caused by silicon in the interface between welding material and base metal steel can be completely avoided, and satisfactory mechanical properties can be obtained.

## Typical Applications

It is suitable for flame brazing, induction brazing and furnace fiber welding of steel, copper and copper alloy, nickel and nickel alloy and stainless steel which have no high requirement for corrosion resistance.

## Physical Properties

Density <sup>①</sup>	8.21	g/cm <sup>3</sup>
Melting point	895	°C
Thermal conductivity <sup>①</sup>	/	W/m·K
Coefficient of thermal expansion <sup>②</sup>	/	10 <sup>-6</sup> /K
Electrical conductivity <sup>①</sup>	13.8	% IACS

Note①: Temperature for testing is 20°C.

Note②: Temperature range for testing is 20-300°C.

Tin Brass

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## Delivery Form

	Packing	Size(ODxDxHeight)	Weight/Length	Diameter
			kg/mm	mm
Spool	D200 (Plastic spool)	$\Phi 200 \times \Phi 52 \times 55$	5.0	$0.8 \leq \Phi \leq 1.6$
	D300 (Plastic spool)	$\Phi 300 \times \Phi 52 \times 100$	12.5	$0.8 \leq \Phi \leq 1.6$
	BS300 (Galvanized steel spool)	$\Phi 300 \times \Phi 52 \times 100$	12.5	$0.8 \leq \Phi \leq 1.6$
Barrel	100kg (Barrel carton)	$\Phi 500 \times \Phi 305 \times 500$	100	$0.8 \leq \Phi \leq 1.2$
	200kg (Barrel carton)	$\Phi 500 \times \Phi 300 \times 750$	200	$0.8 \leq \Phi \leq 1.2$
	200kg (Barrel carton)	$\Phi 660 \times \Phi 440 \times 700$	200	$\Phi = 1.6$
Straight bar	Crate	--	250-3000mm	$1.6 \leq \Phi \leq 7.0$
Coil wire	Kraft/crate	--	10-200	$0.8 \leq \Phi \leq 7.0$

\*Composition            AWS  
Other Physical Properties    AWS

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