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# SUS304

## Stainless steel

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# Alloys : SUS304 (Stainless steel)

SUS304 is classified as austenitic stainless steel, and is called 18-8 stainless steel (18Cr-8Ni), which contains more than 18% chromium to provide good corrosion resistance. It is a typical stainless steel wire that is widely used in general.

Electrical Resistivity [ $\mu\Omega\text{m}$ ]	Thermal Expansion Coefficient $\times 10^{-6}/$	Specific Heat J/g·K (20°C)	Melting Point °C
0.72	17.3	7.93	1400

Chemical Composition	C	Ni	Cr	Mo	Si	Mn	P	S
(%)	$\leq 0.08$	8.0~10.5	18.0~20.0	—	$\leq 1.00$	$\leq 2.00$	$\leq 0.045$	$\leq 0.030$

Alloys	Type	Diameter (mm)	
SUS304	Wire	$\phi 6.00 \sim 0.020$	
	Ribbon	$t = 2.90 \sim 0.05$	$w = 40 \sim 0.2$ (Depends on thickness)