



## OHMALLOY MATERIAL CO., LTD.

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### SNC ( RNC, RNX ) Wire

SNC ( RNC ) is regarded as negative leg for extension grade type S,R [thermocouple cable](#).

#### 1. Chemical Composition

Material	Chemical composition (%)				
	Ni	Cr	Cu	Mn	Si
RNC(SNC)	0.6		Bal		

#### 2. Physical properties and Mechanical properties

Material	Density(g/cm <sup>3</sup> )	Melting point(°C)	Tensile Strength(Mpa)	Volume resistivity(μΩ.cm)	Elongation rate (%)
RNC(SNC)	8.9	1400	>390	2.8(20°C)	>25

#### 3. EMF Value range at different temperature

Material	EMF value Vs Pt(μV)					
	100°C	200°C	300°C	400°C	500°C	600°C
RNC(SNC)	-108~-148	-376~-1416				

EMF value Vs Pt(μV)				
700°C	800°C	900°C	1000°C	1100°C