Type K extension bare Wire

TYPE KCA (FE vs CNI22) is used for making cable which can be extension for type K thermocouple. The cost is cheaper a lot than Kx type.

1. Chemical Composition

Material	Chemical composition (%)				
	Ni	Fe	Si	Cu	Al
KPCA		100			
KNCA	22			78	

2. Physical properties and Mechnical properties

Material	Density(g/cm3)	Melting point(℃)	Tensile Strength(Mpa)	Volume resistivity (μΩ.cm)	Elongation rate (%)
KPCA	7.8		>240	<15(20℃)	>20
KNCA	8.9	1450	>250	<55(20℃)	>20

3. EMF Value range at different temperature

Material	EMF value Vs Pt(μ V)					
	1st tolerance			2nd tolerance		
	100℃	200℃		100℃	200℃	
KPCA	4052-4140	8094-8182		4008-4184	8050-8226	
KNCA						

TEL:+86-571-63255636 Email: sales@ualloy.com
FAX:+86-571-63256181 Web: www.ualloy.com
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