



# HSM Wire International, Inc

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## Characteristics Comparison of CCA

Characteristic	CCA Wire	Copper Wire	Aluminum Wire
Copper Volume	5	100	0
Gravity	3.63	8.89	2.7
Length Comparison With Copper	2.5:1	1:1	3.29:1
Conductivity	70	100	62
DC Resistivity	0.02462	0.01724	0.0274
Tensile Strength (N/mm2)	95 - 135	215 - 265	69 - 107
Elongation (%)	≥ 10	≥ 20	≥ 8
Windability	Good	Very Good	Good
Weight	Good	Bad	Very Good
Soldering	Very Good	Very Good	Bad
DC Resistance	Good	Very Good	Good

\*To be used as a guideline only

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