



## Jiangsu Greenshine Supcon Tech Co.,Ltd.

#### **CCA wire for Lightning Protection Systems:**

Copper Clad Aluminum wire is an electrical conductor which has an outer sleeve of copper metallurgically bonded to a solid aluminum core. The combination of these two metals make it uniquely suited to many electrical applications

CCA wire can be used as an alternative to solid copper and / or aluminum conductors in projects related to Lightning Protection Systems.

In Lightning Protection Systems, it is recommended to use as *Down Conductor System* (Roof Covering Conductor) up to the Test Terminal.

#### **Available Size:**

Single wire: 0.12MM~8.00MM Stranded Wire: 0.5mm<sup>2</sup>~300mm<sup>2</sup>

#### Advantage:

1. *Lightweight*: 63% material weight reduction due to lower specific gravity of CCA over regular copper,

So it can be processed more easily during the application and gives less load to the structure / facility.

- 2. <u>Easy to Work:</u> Thanks to its soft structure, it is processed easier and faster than a solid copper conductor.
- 3. *Long Life:* Atmospheric corrosion is prevented by the copper coating conductor on the outer surface.
- 4. *Economical*: It is much more economical than solid copper conductor.
- 5. *Environment Friendly*: CCA Wire ensures more efficient consumption of copper mines in our world and does not cause environmental pollution in the production process.

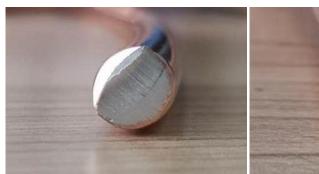
#### Technical Data sheet of single CCA wire

GOODS	SIZE (MM)	TOLERANCE (MM)	TENSILE STRENGTH (Mpa)	ELONGATION (%)	RESISTIVITY (ohm.mm/mm²)	DENSITY (g/cm3)	KG/KM
CCA	8MM	+/-0.08	≤138	≥15	≤0.02743	3.22+/-0.12	158



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## **Products Picture**





8.00mm CCA WIRE

50MM<sup>2</sup> Stranded CCA wire

## **Packing Picture:**





## **Application:**

