



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: 0.5mm²~300mm²

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.**Easy to Work:** 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/mm ²)	DENSITY (g/cm ³)	KG/KM
CCA	8MM	+/-0.08	≤138	≥15	≤0.02743	3.22+/-0.12	158



Products Picture



8.00mm CCA WIRE



50MM² Stranded CCA wire

Packing Picture:



Application:

