



# Sahra Kablo

Wire & Cable Manufacturer



**A POWERFUL SOLUTION  
2020**



2020

[www.sahrakablo.com](http://www.sahrakablo.com)



# Sahra Kablo & Our Focus

Established in 1968, Sahra KABLO has grown year on year, broadening both its customer base together with the products provided.

We provide our customers solutions that reduce their cable & wire cost on their each project.

Supplying aluminium wire & cable to our business partners all around the world inspire us to seek new markets and new customers.

manufacturing additional Value-Added aluminium wire and cable

technologic developments

increasing market share

your strong business partner

TSE and ISO 9001 Certified

**K - Q**  
**ISO-EN**  
**9001**

**Ç - E**  
**ISO-EN**  
**14001**

**ISG-OHSAS**  
**ISO-EN**  
**18001**





# A Single Solution for All Wire & Cable Products



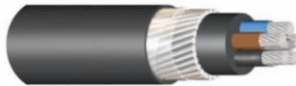
All Aluminium Conductor (AAAC)



Underground Aluminium Cables (NAYY – NA2XY)



All Aluminium Alloy Conductor (AAAC)



Steel Round Wire Armoured Aluminium Cables (NAYRY – NA2XRY)



Aluminium Conductors Steel Reinforced (ACSR)



Concentric Screen Armoured Aluminium Cables (NAYCY- NA2XCY)



Aerial Bundled Cable With Aluminium Conductor (ABC)

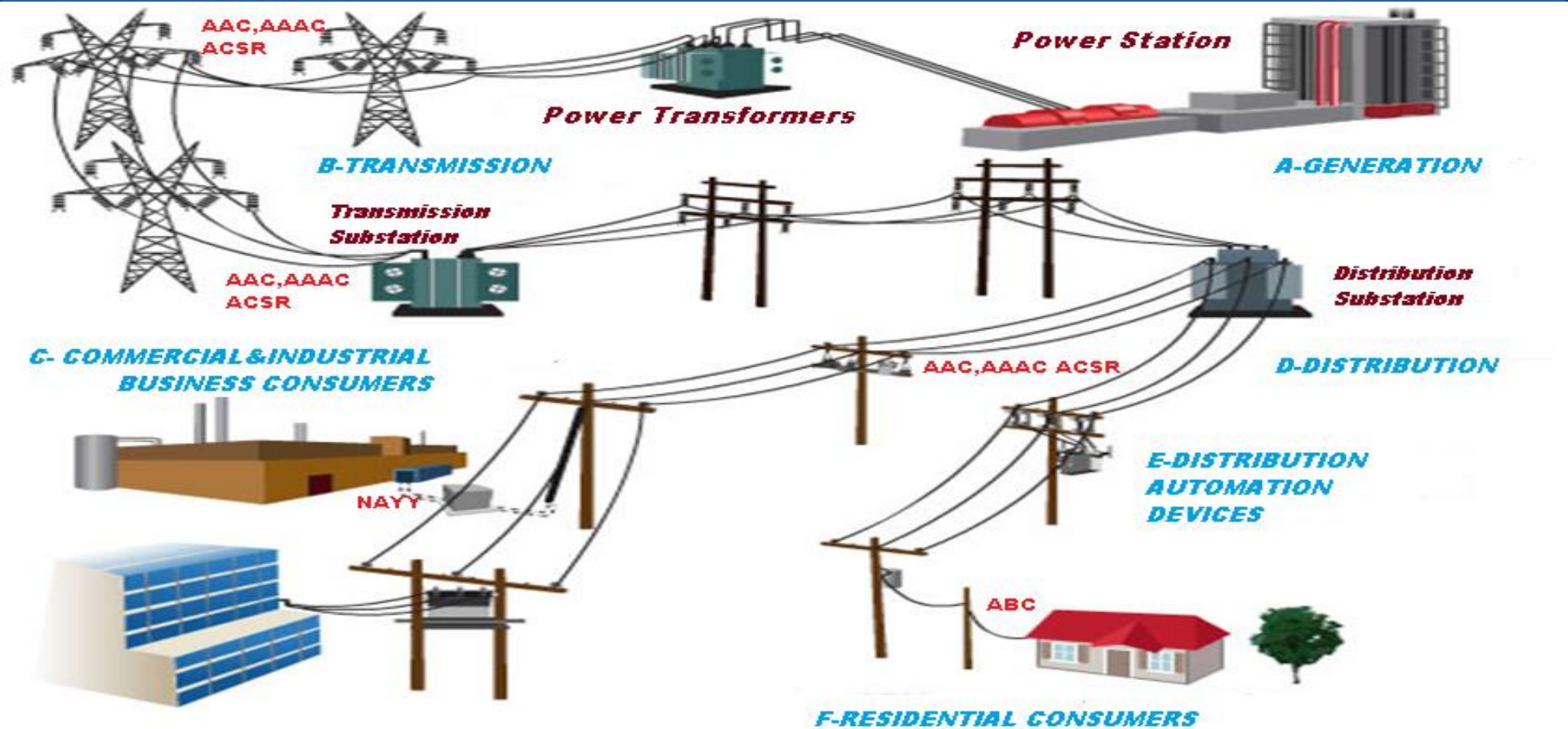


Steel Flat Wire Armoured Aluminium Cables (NAYFGbY – NA2XFGbY)





Our product range includes a full line of bare and insulated aluminum conductors for carrying electricity from the generating station to the point of utilization.





# Sahra's Sector-Shaped Cable



- Solid or Stranded Conductor
- XLPE , PVC or PE core insulation
- Colour coded to DIN VDE 0276-603
- Inner covering PVC
- PVC outer jacket





# Sahra's Flexible Cable



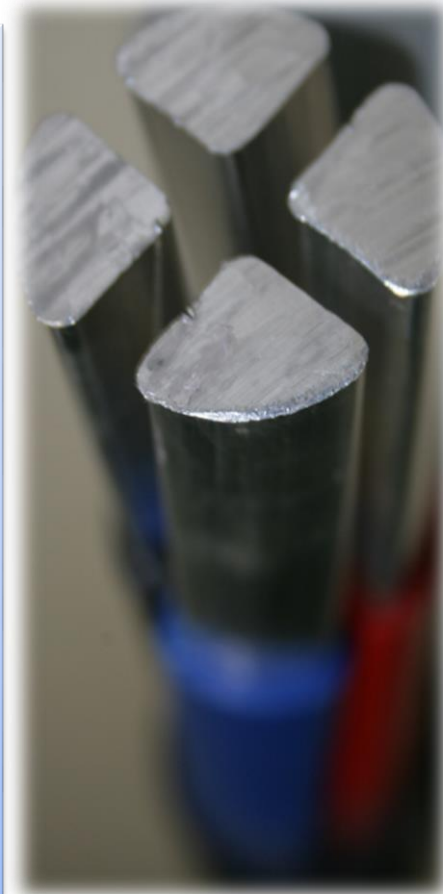
- Design according to IEC 60502-1
- 1- Conductor Finely Stranded & Heat Treated Aluminium Wires, IEC/EN 60228 Optional PET separator on Conductor
- 2- Insulation; XLPE or ERP for High temperatures and Ozone behavior
- 3-Outer Sheath ; Atoxic Cross-Linked Elastomer Oil, Flame and Ozone Resistance





## Benefits of Aluminium over Copper

1. Aluminium conductors carry twice the current per kg as equivalent copper conductors.
2. Aluminium alloy conductors feature superior insulation. In fact, the cross-linked polyethylene (XLPE) on Aluminium conductors performs better in cold impact, wet electrical and long-term aging tests. This makes it a better insulation for every application.
3. Aluminium is much easier to install. Maintenance for Aluminium and copper is equal. This makes it more time efficient and more cost-effective as well.

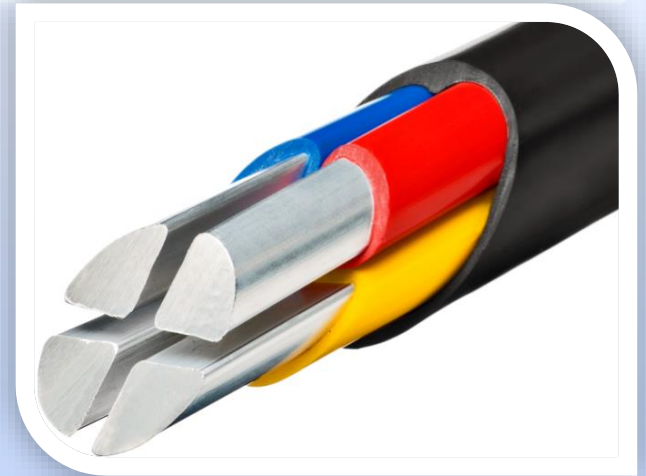




**For conductors of equal ampacity,**

*Aluminium cable is:*

- a. **Lightweight** – Weighs 50% less than copper
- b. **Flexible** – 25% more flexible than copper
- c. **Less Springback** – 40% less springback than copper
- d. **Compact Stranded** – Aluminium is a similar conduit fill as copper for amps delivered .
- e. **No Maintenance** – Not necessary to periodically retighten connections. This is exactly the same as copper conductors.







4. At twice the ampacity per pound, not only is aluminium more cost-effective than copper, but the price of aluminium is much more stable than the price of copper.

As every professional project manager knows – stable pricing means less risk.

**A building can be wired with Aluminium cables for about half the cost of installing copper cables.**





## The Problem

- There is no problem with the aluminium wire itself within the walls; the problem is at the connection points. First, aluminium expands and contracts more than copper when it heats and cools. This can cause fasteners to loosen. More importantly, aluminium oxidizes easily and the oxide is a poor conductor. This causes overheating at the connection points .

## The Solution

- The solution is using a special crimp connection to splice a short piece of copper wire (called a pig-tail) between the aluminium wire and the electrical device (receptacle, switch, light, etc.).
- Another method that has recently become available is using special connectors.





## Why Choose **Sahra Kablo**?



### Proven experience

Over the past 40 years, Sahra Kablo has evolved into a leading supplier of aluminium energy cables. We have been supplying electric utilities, engineering, procurement and construction firms.



### Quality cables and services

Our products have the quality you need, but it is our value-added services that deliver the confidence to know that you have a reliable partner to stand with you throughout every project.



### We build and encourage strong relationships

Our business partners are the most important thing to us. We build our business connections on honesty and integrity, ensuring that our relationships last years not months.



### Technological development

Keeping up to date with technology, we produce high quality cables with expanding our product range using research and development.



**Our success hides behind highly motivated team members.**





***Sahra Kablo exports the Quality to Asia, Africa, Europe and all around the world***





# Contact Information



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