

Kalen

TURKIYE'S LEADER SUPPLIER OF ELECTRICITY MATERIALS

RENEWABLE
ENERGY MATERIALS
CATALOG



ASTOR®



öznur kablo

Raychem



A KABLO



RECBER

Kalen

TURKIYE'S LEADER SUPPLIER OF ELECTRICITY MATERIALS



ADVANCED CUSTOMER SUPPORT

Contact us for detailed information about the products.



WIDE PRODUCT RANGE

Wide product range in high voltage, medium voltage, low voltage and weak current electrical materials.



TRANSPARENT DISCOUNT RATES

We offer the most transparent discount rates in the energy sector.



TIMELY and FAST DELIVERY

In order not to interrupt your work, the products you ordered are delivered to you on time and completely.



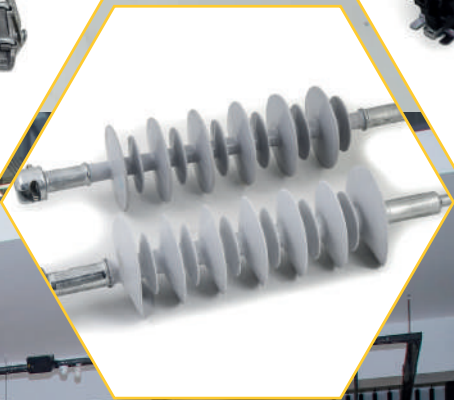
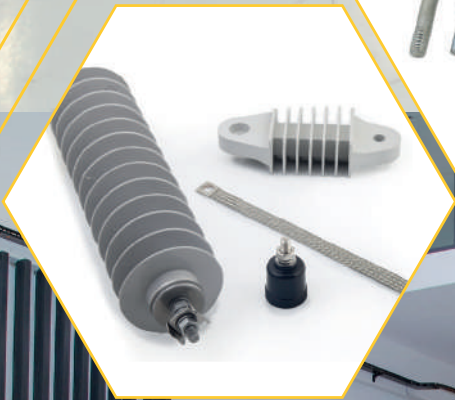
PRODUCT QUALITY

We offer you the best quality brands of the energy sector with the highest standards and quality.



ACCESSIBILITY

You can always contact us for your questions and suggestions.



About Us

As Kalen Energy, our main goal is to provide the electrical energy needed for the growth and development of our country, by using the country's resources efficiently, with the best quality that will ensure reliable, economic, high quality, environmentally friendly and high performance.

Our company combines quality, trust and success with the values it creates and the permanent solutions it finds to the problems in the sector with the vision of being a company that maintains its leadership in the energy sector and continuously increases its performance with the use of modern and clean energy technologies and always with the goal of going forward.

Kalen Energy has become one of the leading companies in the sector thanks to its strong ties and distributorships with the best and strongest brands of the energy sector. Our company provides support to more than 600 customers in 81 provinces of Türkiye with a stock area of more than 6,000 square meters and more than 30 employees.

In addition to being the main dealer of many products, our company also provides fast and easy product supply with the products it manufactures and supplies upon demand.

Kalen Energy offers many products to its customers in all sub-sectors, including energy and energy equipment, with reasonable prices and continuous expert support with wide and high quality product groups in the national market.



What is Solar Energy?

Solar energy is the conversion of rays from the Sun into electrical energy using special technologies. Solar energy is the most abundant and clean energy in the world. Solar energy does not pollute the environment and is noiseless. Solar energy is a renewable and sustainable energy. Solar energy systems are systems that convert solar energy into electricity.

How Do Solar Energy Systems Work?

The sun is more than just a source of light during the daytime. Every single particle of sunlight—photons—that reaches Earth contains the energy that feeds our planet. Solar panels convert solar energy into usable electricity through a process called the photovoltaic effect. The electricity produced is consumed at the associated consumption facility.

Theoretically, the sun's rays coming to the earth in one hour are enough to meet the needs of the whole world for almost a year. Although solar energy accounts for only a small amount of overall global energy use today, the cost of installing solar panels is falling. Therefore, solar energy is used in more areas, more companies and homes day by day.

How to Benefit from Solar Energy?

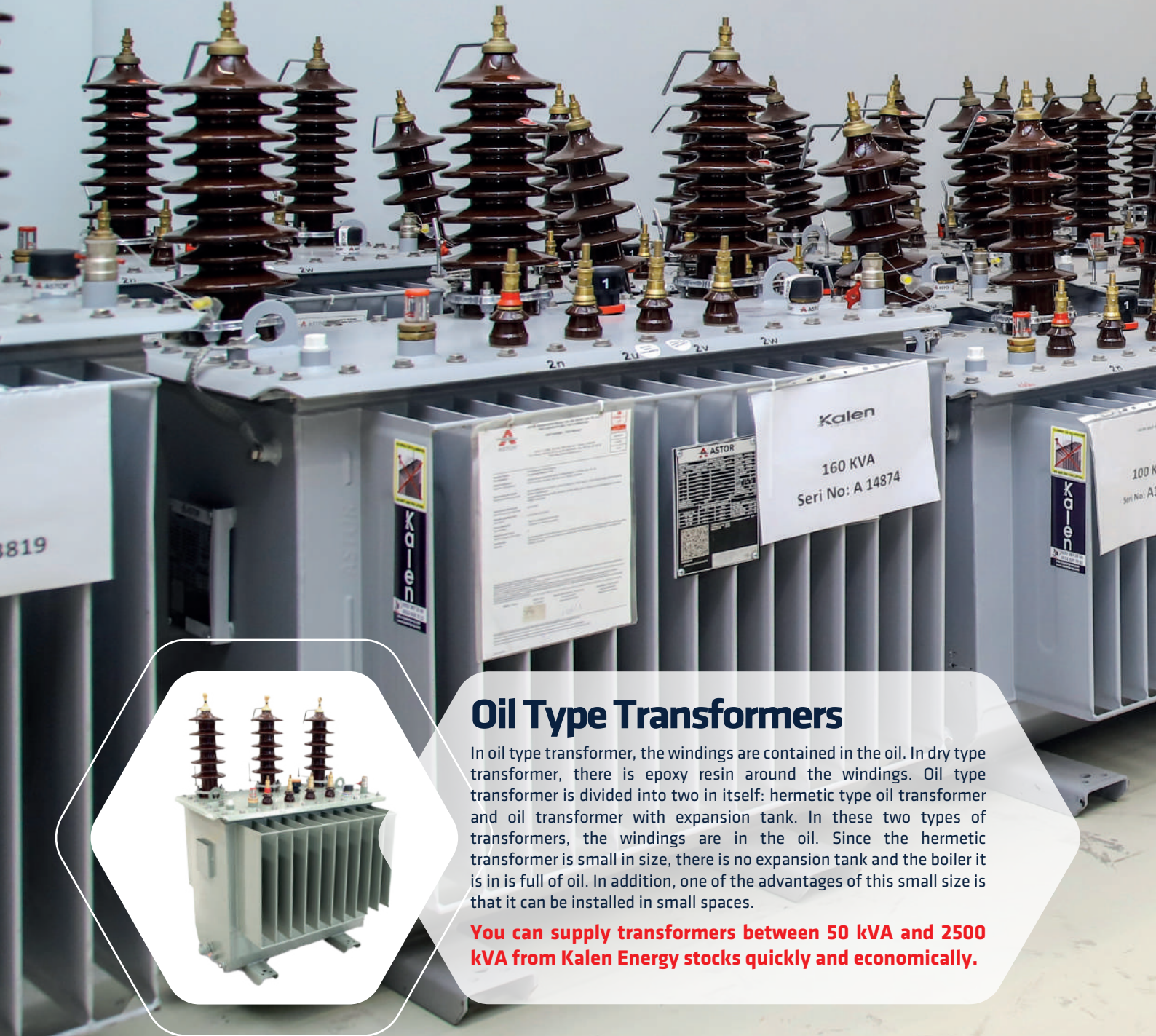


There are many ways to use energy from the sun. The most common use of this energy is solar panels. Solar energy systems are installed with solar energy panels. Solar energy is converted into electricity through solar energy systems.

Photovoltaic technology is the most common way to use energy from the sun. Solar panels convert solar energy into usable electricity through a process called the photovoltaic effect. Sun rays reaching the panels reach a semiconductor silicon material. These react with the silicon crystals and create an electric current.

In short, solar panels instantly convert the sun's rays into electric current. The electricity produced is consumed at the associated consumption facility. In case the produced energy is not consumed in the facility, the excess energy can be given back to the grid to generate income.

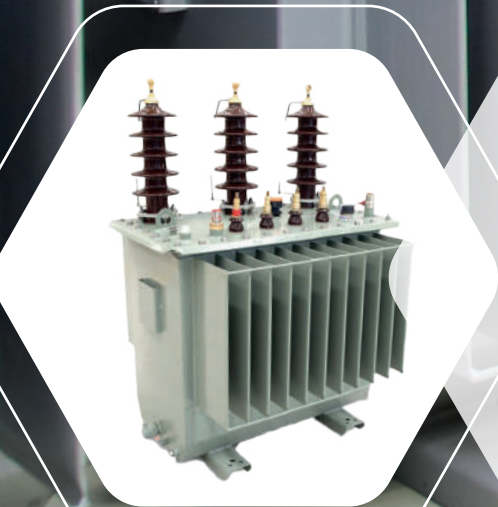
YOU CAN PROVIDE ALL KINDS OF MATERIALS YOU NEED DURING THE ESTABLISHMENT PROCESS OF SOLAR POWER PLANT (SPP), WIND POWER PLANT (WPP), AND BIOGAS POWER PLANT FROM US THE FASTEST AND MOST ECONOMIC WAY.



Oil Type Transformers

In oil type transformer, the windings are contained in the oil. In dry type transformer, there is epoxy resin around the windings. Oil type transformer is divided into two in itself: hermetic type oil transformer and oil transformer with expansion tank. In these two types of transformers, the windings are in the oil. Since the hermetic transformer is small in size, there is no expansion tank and the boiler it is in is full of oil. In addition, one of the advantages of this small size is that it can be installed in small spaces.

You can supply transformers between 50 kVA and 2500 kVA from Kalen Energy stocks quickly and economically.



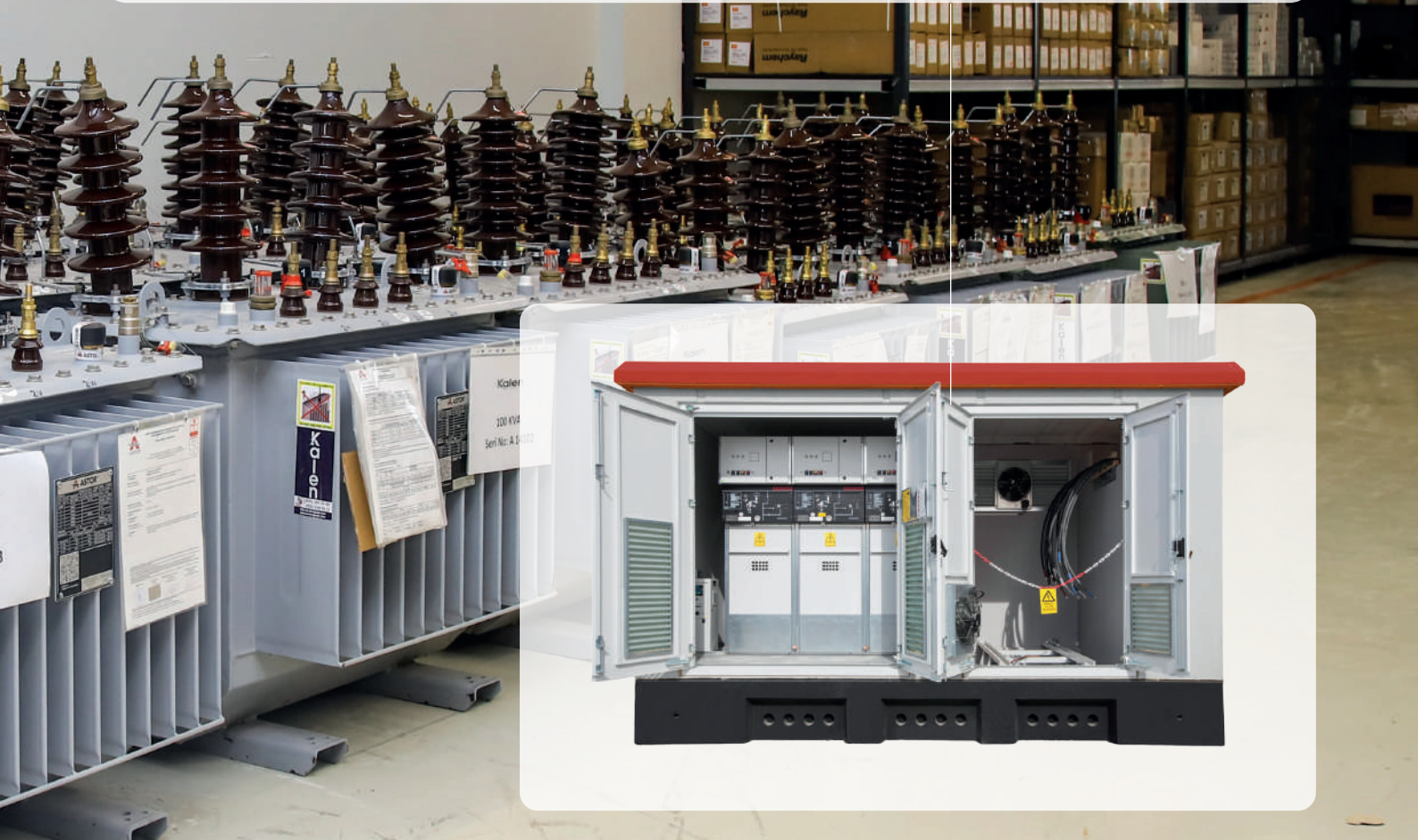
Concrete Distribution and Transformer Substations

ASTOR branded Medium Voltage/Low Voltage Concrete Distribution and Transformer Substations are designed in accordance with TS EN 62271-202 (IEC 62271-202) standard and TEDAŞ MYD (Turkish Electricity Distribution Inc.) related specifications with concrete enclosure, monoblock, compact type features to be used in system voltages up to 36kV.

All type tests required by the standard have been completed in accredited laboratories in Türkiye and abroad.

Concrete Distribution and Transformer Substations consist of three sections: High Voltage switch units section, Medium Voltage distribution transformer section, Low Voltage distribution cell section. Each section has its own independent access doors and ventilation shutters.

Different door and ventilation louver configurations can be made according to the need.



Areas of use

Transformer
Substations

Distribution
Substations

Industrial
Substations

Wind Power Plants
(WPP)

Solar Power Plants
(SPP)

Compensation
Plants

Water Pumping
Stations

Generator
Cabinets

Advantages

It is suitable for relocation due to its monoblock structure, quick and easy assembly, environmentally friendly in terms of appearance and structure. It has different color options. It is resistant to climatic conditions and long-lasting....



Cables

NAYY CABLE



YAVV (NAYY) 0,6 / 1 kV

PVC insulated multi core, Multi core Aluminum conductor cables, TS IEC 60502-1



YAVV (NAYY) 0,6 / 1 kV

PVC insulated multi core, Multi core Aluminum conductor cables, TS IEC 60502-1



YAVV (NAYY) 0,6 / 1 kV

PVC insulated multi core, Multi core Copper Shielded, Aluminum conductor cables, TS IEC 60502-1

NYK KABLO



YVV (NYK) /kV

PVC insulated multi core one or Multi Wire Copper Conductor Cables, TS IEC 60502 IVDE 02761



YVV (NYK) /kV

PVC insulated multi core one or Multi Wire Copper Conductor Cables, TS IEC 60502 IVDE 02761-1



YVV (NYK) 0,6 / 1kV

PVC insulated multi core, one or Multi Wire, Copper Conductor Cables TS IEC 60502 IVDE 02761

XLPE KABLO



YAXC8VZ3V-R (A2XSEYFGBY) 20,3/35 kV

XLPE Insulated, Three Core, Multi Wire, Each Core is Copper Shielded, Flat Galvanized Steel Wire Covered Aluminum Conductor Cables TSEK 204



YAXC7V-R (A2XSY) 20,3/35 kV

XLPE Insulated, One Core, Multi Wire, Copper Shielded Aluminum Conductor Cables TSEK 204

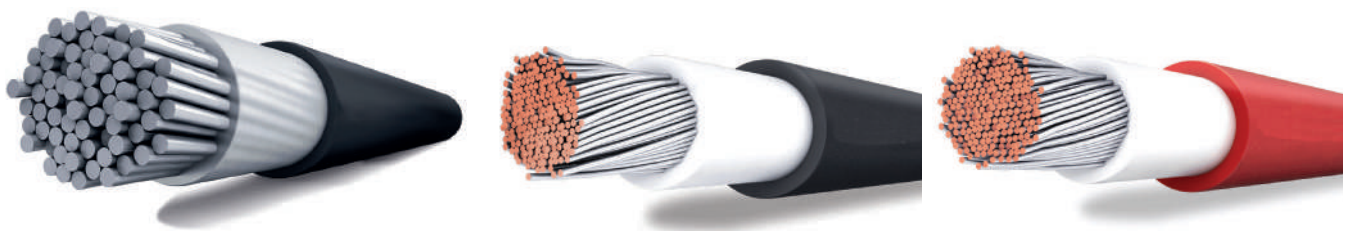


YXC7V-R (2XSY) 20,3/35 kV

XLPE Insulated, One Core, Multi Wire, Copper Shielded Copper Conductor Cables TSEK 204



Solar Cables

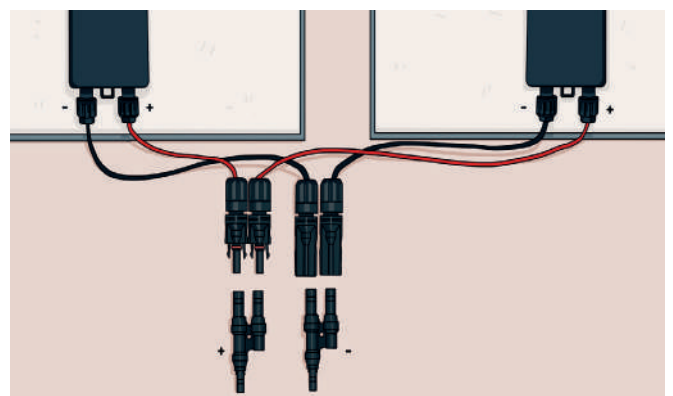


Solar cables are used in solar power generation systems. It provides energy transmission between solar panels and solar inverter.

The use of solar cables is very important for you to ensure the highest efficiency from your system, to use the system as long as possible, and to use it safely, free from risks such as fire.

Solar cables must be resistant to high temperature values, fire-proof, and non-combustible cables.

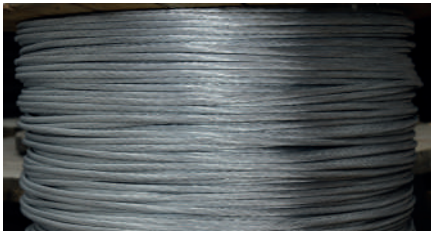
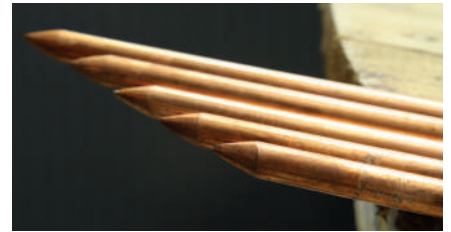
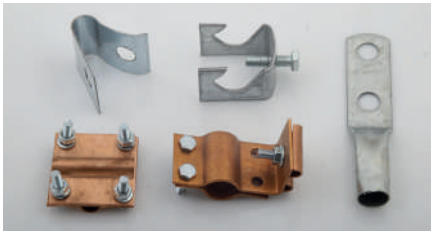
You can safely use solar cables, which are one of the most important parts of connection equipment for a safe, efficient and long-lasting use, by obtaining them from our company according to your needs.





Grounding Materials

GROUNDING PRODUCTS



CABLE HEADS

All type tests of flat, type L and T heads, which are produced with liquid silicone injection technology, which is the world's most durable raw material in its field, have been tested separately for each type in internationally accredited laboratories (Cesn-Karlsruhe). It is a top class material that is preferred over its heat-shrinkable counterparts because it does not require an additional mounting material, has a much longer lifespan, and has superior resistance to water and sun rays





CURRENT AND VOLTAGE TRANSFORMER



UV CABLE TIES

- It is produced from extra-added polyamide 6.6 material, which is UV resistant and provides extra resistance against UV rays.
- Excellent resistance to UV rays
- Suitability for photovoltaic applications
- High breaking strength with low application force
- Edge surface slope providing ease of application
- Easy application manually or with the apparatus



UV CABLE TIES

Advantages: The product provides excellent protection under the sun and at high ambient temperatures, thanks to the UV-resistant protective layer it contains.

Does not require insulation.

- The product shows high resistance to chemicals.
- The product is corrosion resistant. It does not cause calcification and rusting.
- The product does not change the color, smell and taste of the water.
- The product has slippery and shiny interior surfaces.
- The product does not shrink in diameter at the welds. Welding performance is high.
- The product provides savings in assembly and has no waste.
- The product has heat and sound insulation. It has the property of not advancing the flame.



UV resistant standard PP-R pipes consist of two layers. While the outer layer has a special UV-resistant raw material structure, the inner layer has a smooth structure for superior flow performance. The product provides excellent protection under the sun and at high ambient temperatures, thanks to its UV-resistant protective layer.

TÜRKİYE'S LEADER SUPPLIER IN OCCUPATIONAL SAFETY EQUIPMENT



Occupational Health and Safety Equipment





**LED / HALOJEN LUMINAIRES
LIGHTING AND ENERGY TRANSMISSION LINE POLES**



References

TURKCELL DATACENTER



TANAP PROJECT



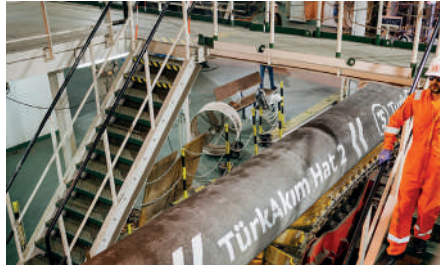
ETİ MADEN



WIND POWER PLANT (WPP)



TURK STREAM PROJECT



KOLUMAN MERSİN



URFA HYDROELECTRIC POWER PLANT (HPP)



BIOTREND DOĞANLAR



GRATIS



ANTALYA WATER TREATMENT PROJECT

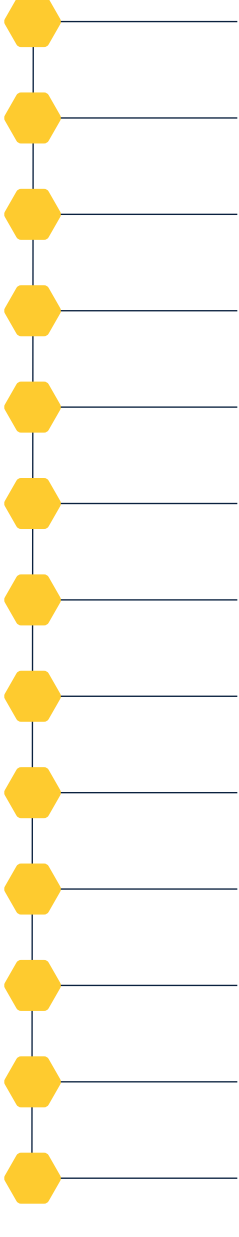


1 MW AZİZOĞLU INTEGRATED PLANT
SOLAR POWER PLANT (SPP)



ANTALYA PAZARYERİ
SOLAR POWER PLANT (SPP)



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- İZMİR NAVY CORPS COMMAND
 - BAFRA FISH INTEGRATED FACILITY
 - SAMSUN YEDAŞ (YEŞİKIRMAK ELECTRICITY DISTRIBUTION INC.)
 - ANTALYA SEA LIFE HOTEL CONSTRUCTION
 - URFA SOLAR POWER PLANT (SPP) PROJECT
 - ANTALYA NATO AIRPORT
 - ANTALYA ORGANIZED INDUSTRIAL ZONE FACTORY CONSTRUCTION
 - BAYBURT MINISTRY OF CULTURE
 - WIBISO İSKENDERUN MD TENNIS ACADEMY
 - AMASYA SOLAR POWER PLANT (SPP)
 - MESKİ (MERSİN WATER AND SEWERAGE ADMINISTRATION)
 - ESKİŞEHİR METROPOLITAN MUNICIPALITY SPORTS SALOON
 - BODRUM MUĞLA MUSKİ (MUĞLA WATER AND SEWERAGE ADMINISTRATION)

PLEASE CONTACT US
TO GET DETAILED INFORMATION ON PROJECTS!
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TOP BRANDS and MUCH MORE...

 **ASTOR®**

Raychem

 **REÇBER**


A KABLO

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 **SEVAL KABLO**

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electric
An Eaton Brand

 **ESİTAS**
An ARTECHE Company


ALCE
TRANSFORMING
SUPPORTING

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group


REBOSIO
TÜRKİYE

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ENERJİ NAKİL HAT MALZ. LTD. ŞTİ

 **MUTAY**
ENERJİ

 **VATAN
KABLO**

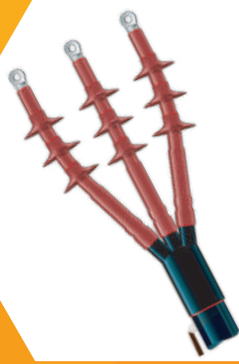

altınsoy®
ENERJİ

Alkarsan
ELEKTRİK

 **RADSan®**



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