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## درباره کتروا

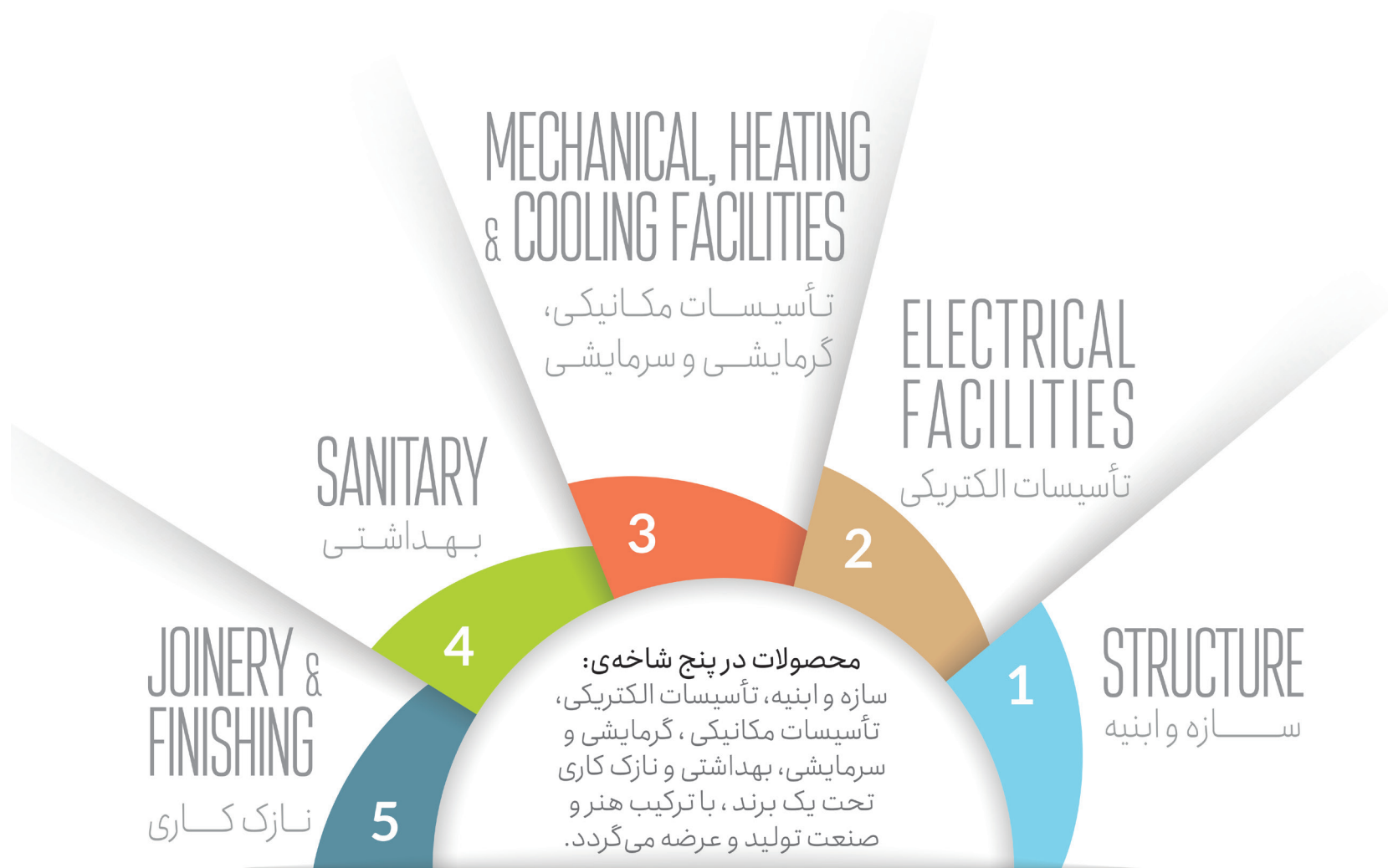
تأمین مصالح و تجهیزات پروژه‌های ساختمانی همواره یکی از مهم‌ترین دغدغه‌های سازندگان و مدیران پروژه‌هاست. اهمیت این مسئله نشأت گرفته از تأثیر مستقیم آن بر زمان بندی پروژه، هزینه تمام شده ساخت و ارزش ساختمان نهایی است.

تیم کتروا با هدف تسهیل فرایند تأمین کالاهای ساختمانی و با در نظر گرفتن مسئولیت اجتماعی خود، سامانه‌ای جامع و برخط را ایجاد نموده است. در این سامانه، سازندگان قادر خواهند بود برای پروژه‌های ساختمانی خود، زمان بندی تأمین مصالح و تجهیزات را آماده نمایند و براساس این برنامه، سفارش تأمین کالا داشته باشند. این سفارش‌ها با مقایسه کالاهای متنوع موجود در سامانه انجام می‌گیرد.

انبوه سازان، مهمترین مشتریان هدف کتروا هستند و کتروا تلاش می‌کند با برنامه ریزی منطقی برای سازندگان و با ارائه مدل خرید نقدی و اعتباری، تأمین و تحویل به موقع کالا را به مصرف کننده ارائه نماید.

تأمین کالاهای ساختمانی برای بازارهای صادراتی، یکی دیگر از اهداف اصلی کتروا است. کتروا قصد دارد بازار سنتی و غیرشفاف را به بازاری مدرن، پرسرعت و دقیق تبدیل نماید که در آن خریداران با مناسب ترین قیمت به کالاهای با کیفیت مدنظر خود دست یابند.



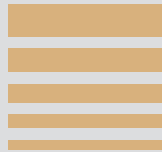


:Products are produced and supplied in five branches  
Structure, Electrical Facilities, Mechanical, Heating & Cooling Facilities,  
.Sanitary, Joinery & Finishing., combining art and industry

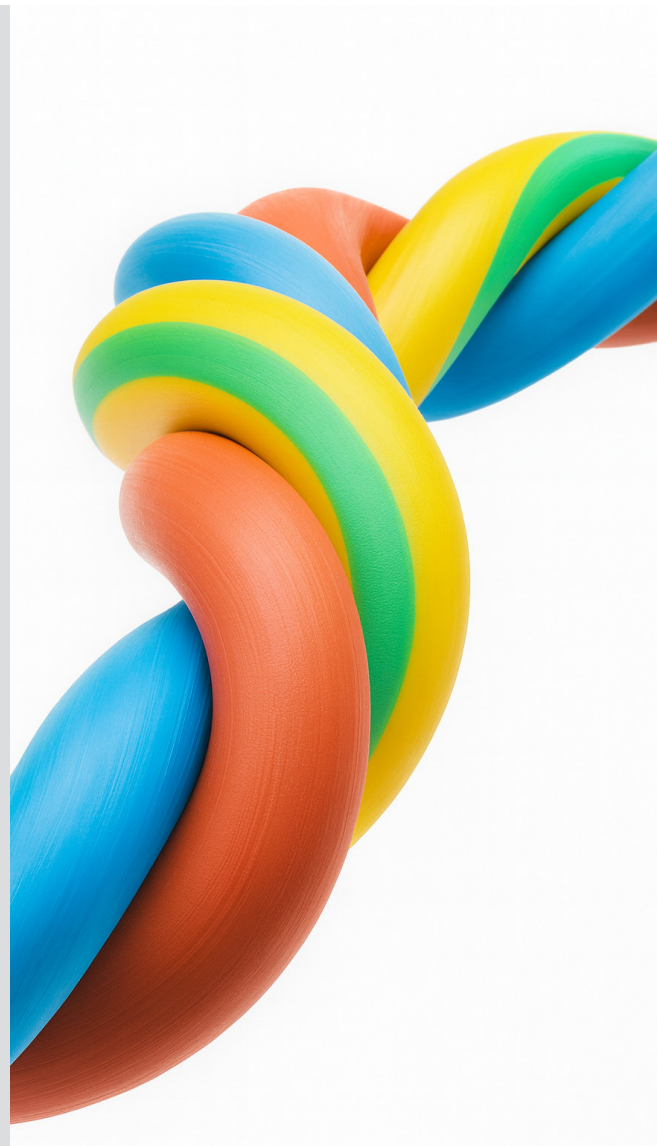
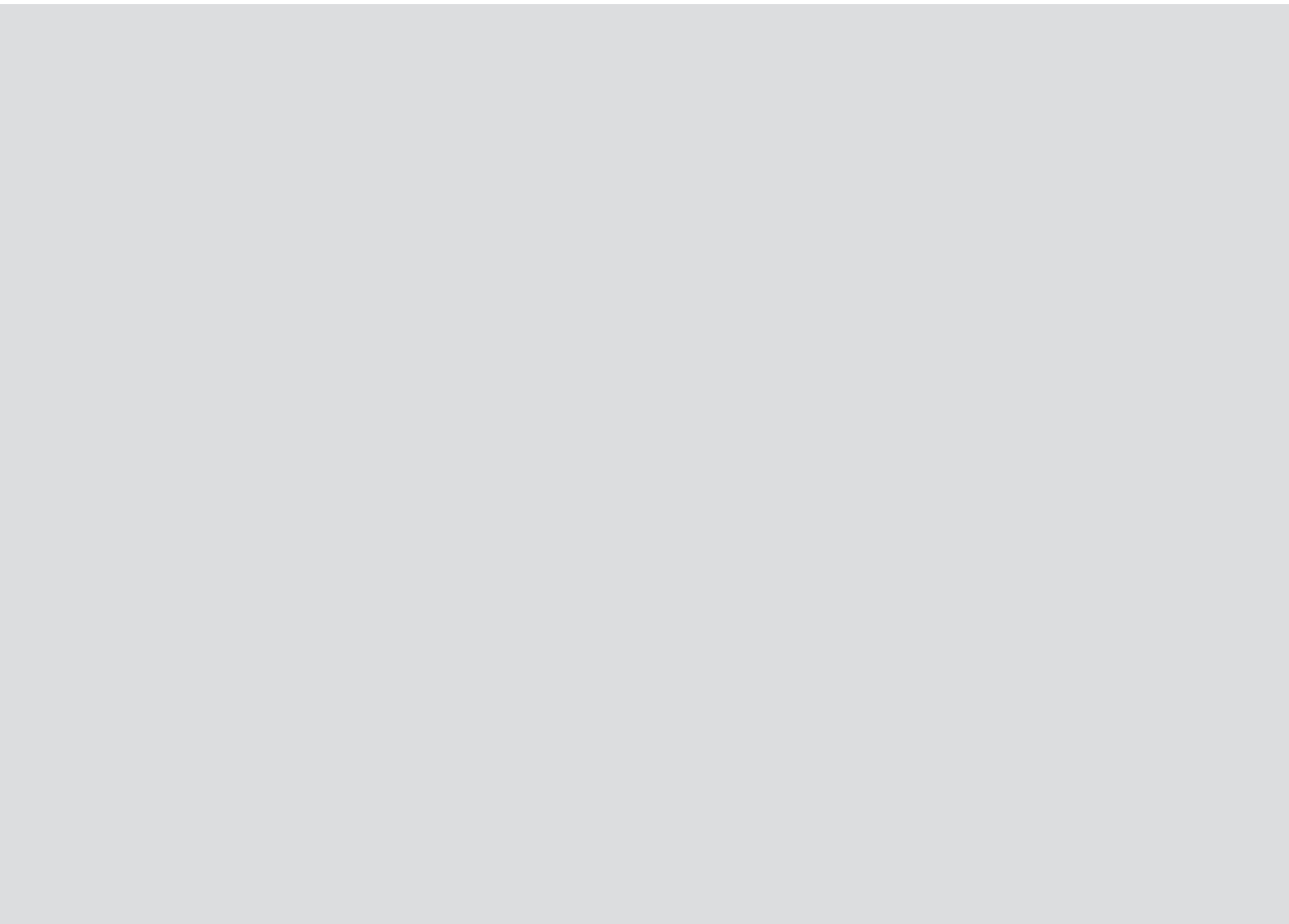


## Wire & Cable

سیم و کابل









**Wire****سیم افشان**

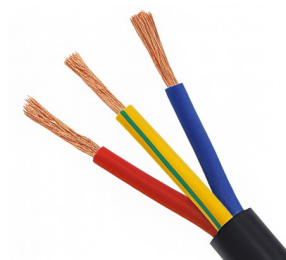
| Meterage  | Insulation and Coating | Standard                              | Rated Voltage   | Material and Class of Conductor | Colour                               |
|---|------------------------|---------------------------------------|---|---------------------------------|--------------------------------------|
| 100 Meter Loop  | PVC up to 70°C         | ISIRI 607-3 , IEC 60227-3 , IEC 60228 | 300/500 Volts up to a Section of 1 Square mm and 450/750 Volts for Sections above 1 Square mm | Class 5 Annealed Copper         | Red-Blue-Green<br>Yellow-Black-Brown |
| <b>Usage:</b> Internal Wiring of Electric Motors and Transformers, Wiring of Electrical Appliances, Wiring for Lighting Applications, Electronic Devices (Equipment) for Measurement, Purposes of Fixed Fixtures or Fixed Installations, Internal Connectors in Rectifier Equipment, Motor Starters and Controllers |                        |                                       |   |                                 |                                      |
| <b>Size:</b> 0.5-0.75-1-1.5-2.5-4-6-10-16-25-35-50-70-95-120-150-180-240  |                        |                                       |   |                                 |                                      |

**Two-Stranded Cable****کابل افشان دو رشته**

| Meterage  | Insulation and Coating | Standard                   | The Number of Threads | Rated Voltage | Material and Class of Conductor |
|---|------------------------|----------------------------|-----------------------|---------------|---------------------------------|
| 100 Meter Loop  | PVC                    | ISIRI 3569-1 , IEC 60502-1 | Up to 2               | 0.6/1KV       | Class 5 Annealed Copper         |
| <b>Usage:</b> Direct Contact of the Cable with Hot Parts in Cooking and Heating Devices is not Allowed, and the Cable Should not be Exposed to Heat. Interface Cables for Use in Electrical Appliances, Household Appliances and Machines |                        |                            |                       |               |                                 |
| <b>Size:</b> 0.5-0.75-1-1.5-2.5-4-6-10-16-25-35   |                        |                            |                       |               |                                 |

**Three-Stranded Cable****کابل افشان سه رشته**

| Meterage  | Insulation and Coating | Standard                   | The Number of Threads | Rated Voltage | Material and Class of Conductor |
|---|------------------------|----------------------------|-----------------------|---------------|---------------------------------|
| 100 Meter Loop  | PVC                    | ISIRI 3569-1 , IEC 60502-1 | Up to 3               | 0.6/1KV       | Class 5 Annealed Copper         |
| <b>Usage:</b> General and industrial uses, distribution network and places that require high flexibility. For use in dry and wet places for portable machines when tensile strength and flexibility are required. |                        |                            |                       |               |                                 |
| <b>Size:</b> 0.5-0.75-1-2.5-4-6-10-16-25-35   |                        |                            |                       |               |                                 |

**Four-Stranded Cable****کابل افشان چهار رشته**

| Meterage  | Insulation and Coating | Standard                   | The Number of Threads | Rated Voltage | Material and Class of Conductor |
|---|------------------------|----------------------------|-----------------------|---------------|---------------------------------|
| 100 Meter Loop  | PVC                    | ISIRI 3569-1 , IEC 60502-1 | Up to 4               | 0.6/1KV       | Class 5 Annealed Copper         |
| <b>Usage:</b> General and industrial uses, distribution network and places that require high flexibility. For use in dry and wet places for portable machines when tensile strength and flexibility are required. |                        |                            |                       |               |                                 |
| <b>Size:</b> 0.75-1-1.5-2.5-4-6-10-16   |                        |                            |                       |               |                                 |





## Five-Stranded Cable

## کابل افشان پنج رشته

| Meterage       | Insulation and Coating | Standard                   | The Number of Threads | Rated Voltage | Material and Class of Conductor |
|----------------|------------------------|----------------------------|-----------------------|---------------|---------------------------------|
| 100 Meter Loop | PVC                    | ISIRI 3569-1 , IEC 60502-1 | Up to 5               | 0.6/1KV       | Class 5 Annealed Copper         |

**Usage:** General and industrial uses, distribution network and places that require high flexibility. For use in dry and wet places for portable machines when tensile strength and flexibility are required.

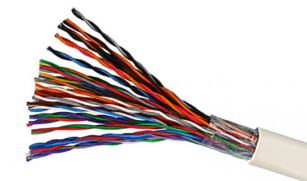
**Size:** 1-1.5-2.5-4-6-10-16



## Telecommunication Cable

## کابل مخابراتی

**Usage:** For Use in the Exterior Parts of the Building, Unsuitable for the Passage of Electricity, To Transmit Analog or Digital Signals, Telephone, Fax, Telex, Burglar Alarm or Fire Alarm Systems, Telecommunication Systems and Time Card Systems



## Coaxial Cable

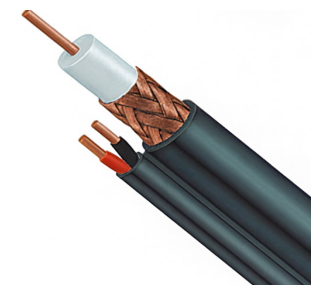
## کابل کواکسیال

| Coating      | Standard                           | Material and Class of Conductor                                 | Structure of Layers             | Insulating Material                      |
|--------------|------------------------------------|---|---------------------------------|--|
| PVC Compound | JIS C 3501   MIL C 17<br>IEC 60096 | Simple Annealed Copper, Class 1 (Maftoli), Class 2 (Semi-Flash) | Cu/PE/CuB/PVC<br>Cu/FPE/CuB/PVC | Solid or Spongy<br>Polyethylene (Foamed) |

**Usage:** In the transmission of high frequencies, especially in transmitters and receivers, computers, radio and television receivers, and CCTV cameras.

**Shield:** Simple Copper Texture

**Minimum Insulation Resistance:** 20000MΩ.Km



## Rod Cable

## کابل مفتول

| Meterage       | Insulation and Coating | Standard                              | Material and Class of Conductor  |
|----------------|------------------------|---------------------------------------|----------------------------------|
| 100 Meter Loop | PVC-ST Type            | ISIRI 3569-1 – IEC60228 – IEC 60502-1 | Class 1, 2 and 5 Annealed Copper |

**Usage:** For General Use in Dry and Wet Places, for Installation Inside and Outside Facilities and in Channels if it is Well Protected, and Also for the Use of Weak and Industrial Pressure Lines.

**Size:** (2\*4) – (2\*6) – (2\*10) – (4\*2.5) – (4\*4) – (4\*6) – (4\*10) – (4\*16)





**Aluminum Cable (Single Strand)**

کابل آلومینیوم (تک رشته)

Size: (1x25) - (1x35)

Colour: Black

**Aluminum Cable (Two Strands)**

کابل آلومینیوم (دو رشته)

Size: (2x10) - (2x16) - (2x25) - (2x35)

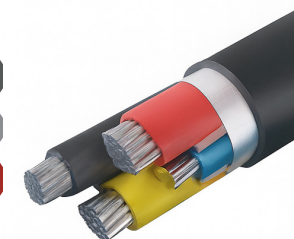
Colour: Black

**Aluminum Cable (Three Strands)**

کابل آلومینیوم (سه رشته)

Size: (3x16) - (3x25+16) - (3x35+16)

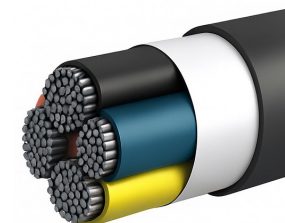
Colour: Black

**Aluminum Cable (Four Strands)**

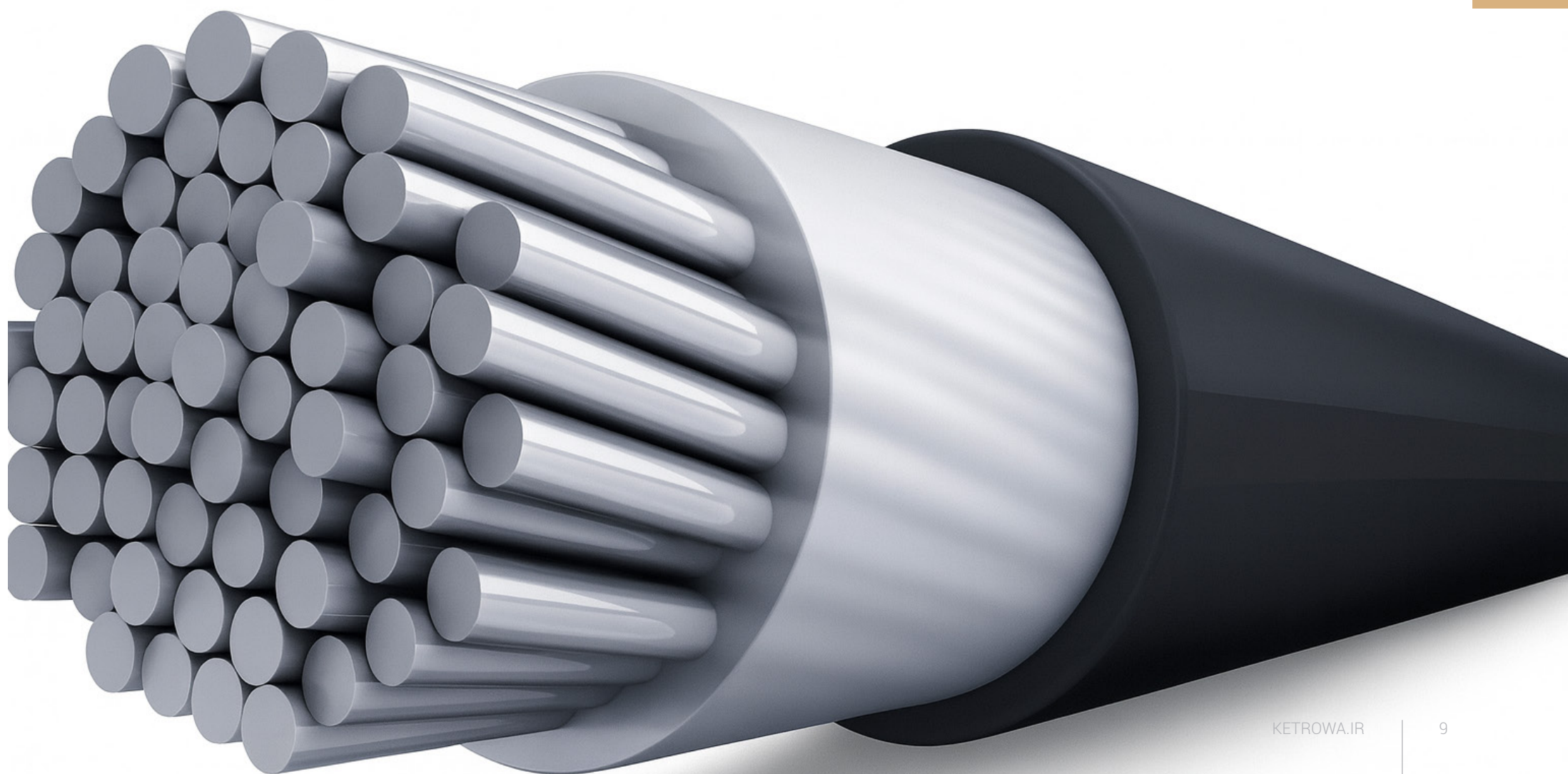
کابل آلومینیوم (چهار رشته)

Size: (4x10) - (4x16) - (4x25)

Colour: Black









## Ketrowa Wire & Cable

| Wire                                       | Insulation & Coating | Standard                              | Rated Voltage   | Material & Class of Conductor  |
|--|----------------------|---------------------------------------|---|--------------------------------|
|  | PVC up to 70°C       | ISIRI 607-3 , IEC 60227-3 , IEC 60228 | 300/500 Volts up to a Section of 1 Square mm and 450/750 Volts for Sections above 1 Square mm | Class 5 Annealed Copper        |
| <b>Two-Three-Four-Five Stranded Cables</b> | PVC                  | ISIRI 3569-1 , IEC 60502-1            | 0.6/1KV   | Class 5 Annealed Copper        |
| <b>Rod Cable</b>                           | PVC-ST Type          | ISIRI 3569-1 – IEC60228 – IEC 60502-1 | –   | Class 1, 2 & 5 Annealed Copper |

| Coaxial Cable | Coating      | Standard                            | Structure of Layers             | Material & Class of Conductor                                      | Shield                | Minimum Insulation Resistance |
|---------------|--------------|-------------------------------------|---------------------------------|--|-----------------------|-------------------------------|
|               | PVC Compound | JIS C 3501<br>MIL C 17<br>IEC 60096 | Cu/PE/CuB/PVC<br>Cu/FPE/CuB/PVC | Simple Annealed Copper, Class 1 (Maftoli),<br>Class 2 (Semi-Flash) | Simple Copper Texture | 20000MΩ.Km                    |





# CERTIFICATE

THE MANAGEMENT SYSTEM OF  
**TOSEE VA TAMIN BANA GOSTAR ASIA SAZEH CO. (KETROWA)**

NO.477, BETWEEN 1ST AND 2ND VAHD ST., SHAHID BEHESHTI BLVD., BAGHESTAN HWY., SHAHRAR, TEHRAN PROVINCE, IRAN

has been assessed and certified as meeting the requirements of  
**ISO 14001:2015**

Environmental management system

FOR THE FOLLOWING ACTIVITIES

Comprehensive Supplier of Building Materials

CERTIFICATE REGISTRATION NO.: QM5933306  
ORIGINAL CERTIFICATION DATE: MAY 07, 2025  
CURRENT CERTIFICATION DATE: MAY 07, 2025  
CERTIFICATE EXPIRY DATE: MAY 07, 2028  
THIS CERTIFICATE REMAINS VALID SUBJECT TO SATISFACTORY SURVEILLANCE AUDITS.

  
Authorized Signatory  
EIQM Ltd. Certification Services  
info@eiqmcert.com



EIQM Ltd. Certification Services is a certification body for assessment of objective evidence and issuance of certificate. this certificate is issued on the basis of the independent authority of the EIQM certification services. we partner with you to offer independent services that will help you, streamline your processes and operate in a more sustainable manner.  
The validity of this certificate can be verified at [www.eiqmcert.com](http://www.eiqmcert.com)



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has been assessed and certified as meeting the requirements of  
**ISO 45001:2018**

Occupational health and safety management system

FOR THE FOLLOWING ACTIVITIES

Comprehensive Supplier of Building Materials

CERTIFICATE REGISTRATION NO.: QM5933307  
ORIGINAL CERTIFICATION DATE: MAY 07, 2025  
CURRENT CERTIFICATION DATE: MAY 07, 2025  
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has been assessed and certified as meeting the requirements of  
**ISO 9001:2015**

Quality management system

FOR THE FOLLOWING ACTIVITIES

Comprehensive Supplier of Building Materials

CERTIFICATE REGISTRATION NO.: QM5933305  
ORIGINAL CERTIFICATION DATE: MAY 07, 2025  
CURRENT CERTIFICATION DATE: MAY 07, 2025  
CERTIFICATE EXPIRY DATE: MAY 07, 2028  
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has been assessed and certified as meeting the requirements of  
**IMS**

ISO 9001:2015 , ISO 14001:2015 , ISO 45001:2018

FOR THE FOLLOWING ACTIVITIES

Comprehensive Supplier of Building Materials

CERTIFICATE REGISTRATION NO.: QM5933308  
ORIGINAL CERTIFICATION DATE: MAY 07, 2025  
CURRENT CERTIFICATION DATE: MAY 07, 2025  
CERTIFICATE EXPIRY DATE: MAY 07, 2028  
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