

# EKAFIABLE

Fire Resistive Cable  
and instrumentation Cables



Insulation ceramic technology

**ekabel**

Experts on energy and data  
transmission solutions



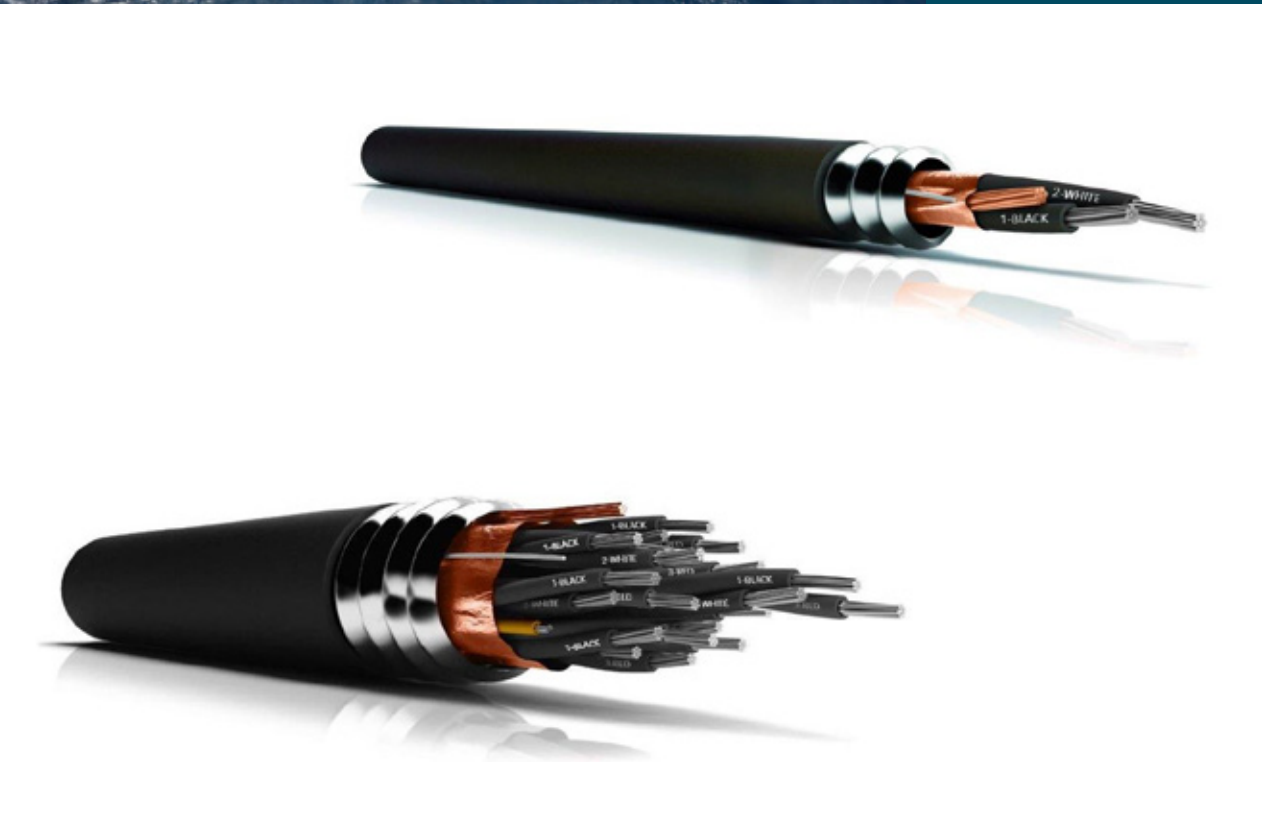
[www.ekabel.net](http://www.ekabel.net)



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Fire Resistive Control  
and instrumentation Cables

**ekabel**  
soluciones en transmisión  
de energía y telecomunicaciones



## EKAIFIABLE



Fire resistant cable CIC • Ceramifiable insulation  
Nickel plated copper conductor • CWC-MC Armor

### WHAT IS IT?

It is a fire resistant cable (CIC) that thanks to its Insulation ceramic technology maintains the integrity of vital circuits in high fire risk environments.

### HOW DOES IT WORK?

In contact with fire, the cable is transformed into ceramic, thereby protecting the safety of personnel and assets

### BENEFITS

- High performance in fire conditions
- Maintains connection of instruments, motor operated valves (MOV)
- Specially designed for the oil industry.

### Our Ekafi cable solution

This cable is suitable for use in applications where the integrity of the circuit is vital for the safety of personnel and assets. This cable offers high performance capabilities in fire conditions, along with the benefits and features associated with designs under NEC type TC-ER (exposed tray cable)

Our ekafi cable solutions have been designed for applications in the oil, petrochemical, gas, and other industries. For the connection of instruments, motor operated valves (MOV), communication systems, fire control equipment and other critical functions.



## SAFETY



**Safety** is the main challenge in the electrical installations of the oil and gas sector, the life of the personnel working in them being a priority. Our solutions in ekafiabe guarantee that in case of an accident, all systems operate correctly and the maximum number of fatalities can be avoided.

Secondly, it seeks to protect the integrity of the assets, as well as the investment made in the facilities, so E´kabel has developed solutions that guarantee the operation of the facilities in extreme fire conditions, up to 2000 degrees Fahrenheit or 1093 degrees Celsius, for periods of up to 180 minutes, complying with functional regulations such as IEC 60331.



E´kabel has UL certified solutions (UL 1709), which are subjected to rigorous tests such as those listed in API 2218 Fireproofing practices in petroleum and petrochemical processing plants, in order to guarantee fire resistance in all our cables.

### Ekafiabe products offer:

- UL approval cable trays (TC, TC-ER)
- UL metal clad approval (MC, MC-HL)
- Easy installation, without special tools
- Suitable for any application - environment
- Cable performance against fire at all levels

## Z Fire resistant cable CIC Ekafiabile



### Ekafiabile Options

- Mica tape construction
- Ceramic silicone technology
- Mesh constructions
- Mineral insulation (MI)

### Ceramic silicone technology

This cable is suitable for use in applications where the integrity of the circuits is vitally important for human life under emergency conditions. This cable offers high performance capabilities under fire conditions, along with the benefits and features associated with NEC EC-ER type cable designs. This cable is also suitable for applications in the oil industry for VOM instruments, communication systems and other critical functions.



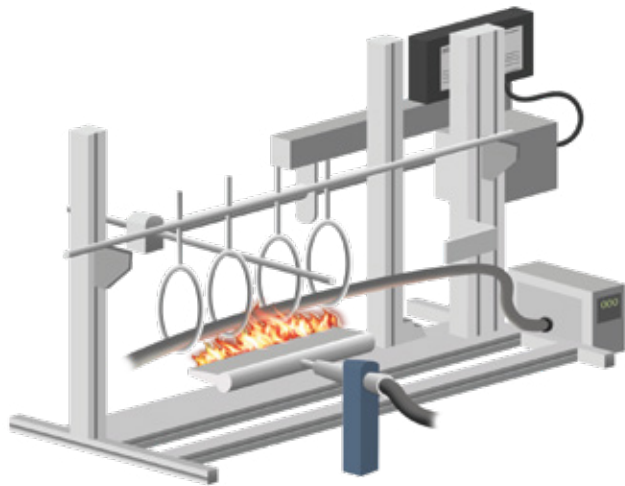
## Z Fire resistant cable CIC Ekafiabie

## TESTING FOR ELECTRICAL CABLES IN FIRE CONDITIONS - INTEGRITY OF THE CIRCUIT

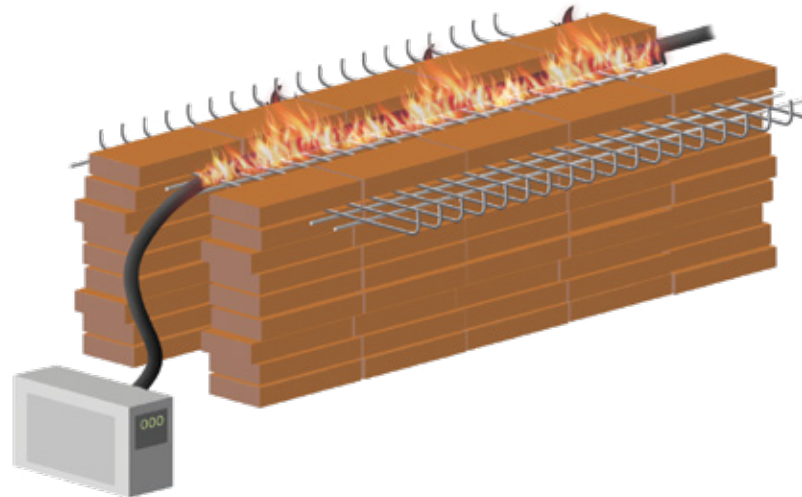


	IEC 60331 750°C / 1380° F. 90 min.	IEC 60331 1093°C / 2000° F. 90 min.	Modified 3rd party test 1093°C / 2000° F. 3Hrs.	UL 1709 1093°C / 2000° F. 60 min.
Ekafiabie	✓			
Ekafiabie TC	✓		✓	
Ekafiabie MC	✓		✓	
Ekafiabie HP (UL1709)	✓		✓	✓

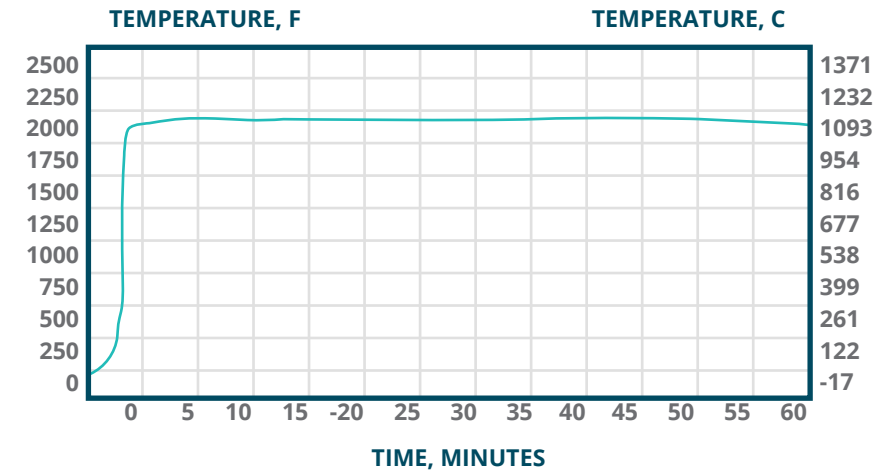
TEST IEC 60331  
750°C / 1380° F. 90 min.



TEST IEC 60331  
1093°C / 2000° F. 90 min.



UL 1709  
1093°C / 2000° F. 60 min.



Fire-resistant monopolar cable  
600 V 90°C.



SERIE ZS - Ekafiabile

Fire-resistant instrumentation cables,  
construction in pairs 600V 90°C  
individual and general overall shield UL  
1709



SERIE ZF - Ekafiabile

Fire resistant control and power  
cables CIC 600V 90° UL 1709

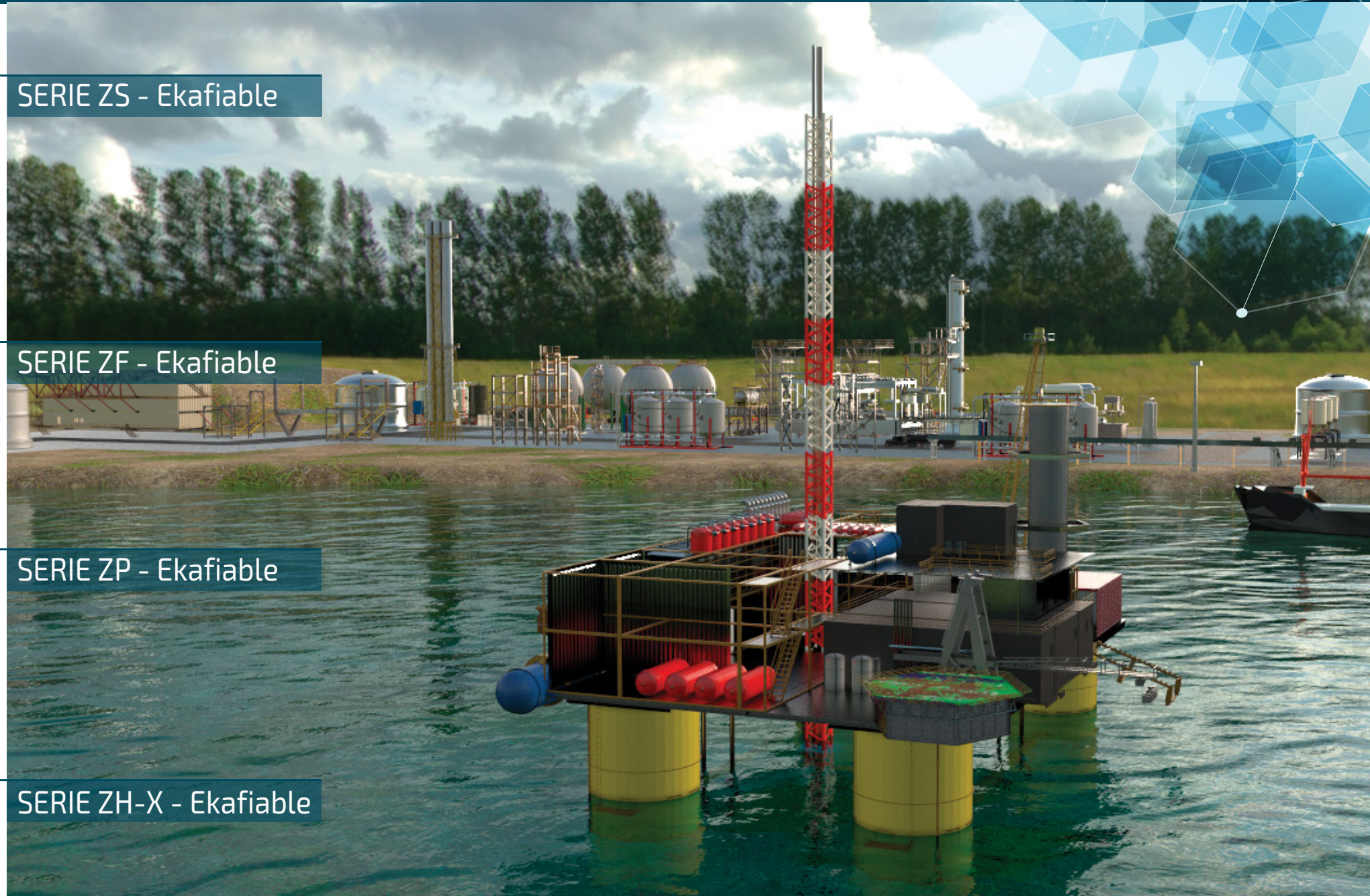


SERIE ZP - Ekafiabile

Fire-resistant instrumentation cables,  
CIC construction in pairs 600V 90°C  
individual and general overall shield  
CWC



SERIE ZH-X - Ekafiabile



# About Us

We are a team of action-oriented professionals with a vision for the future and focused on progress.

We are passionate about designing solutions that meet the needs of our customers.

# Where are we

Our offices are located in Latin America, the United States, Australia, and Spain, E'kabel has consolidated its rapid expansion process through our participation in important and challenging projects.

# What do we do

Based on expert knowledge, we design and integrate electrical, telecommunications and automation systems that optimize results for our clients and protect their most valuable assets.





# Our Philosophy

## 360° Integration

Our wide range of products and the ability to integrate them into a solution represent the cornerstone of our service.

Our wide range of products and the ability to integrate them into one solution represent the cornerstone of our service.

## Logistics without borders

Our expedited logistics process aligns with the requirement of our customers to meet their expectations. It is an emblematic part of the Ekabel service.

## Knowledge Center

We have high-level engineers from different parts of the world who accumulate vast experience in the industries we serve.

### Global Service Team (GST)

They are our experts dedicated exclusively to advise you.

### Technology Transfers

Specific training on the most updated topics.

## Flexibility

We adapt to your needs. Our geographical expansion and a large number of projects allow us to offer competitive advantages in both large and small projects.

## Quality Guarantee

All our processes have ISO certification 9001 granted by Bureau Veritas



# Contact Information

## Contact information

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