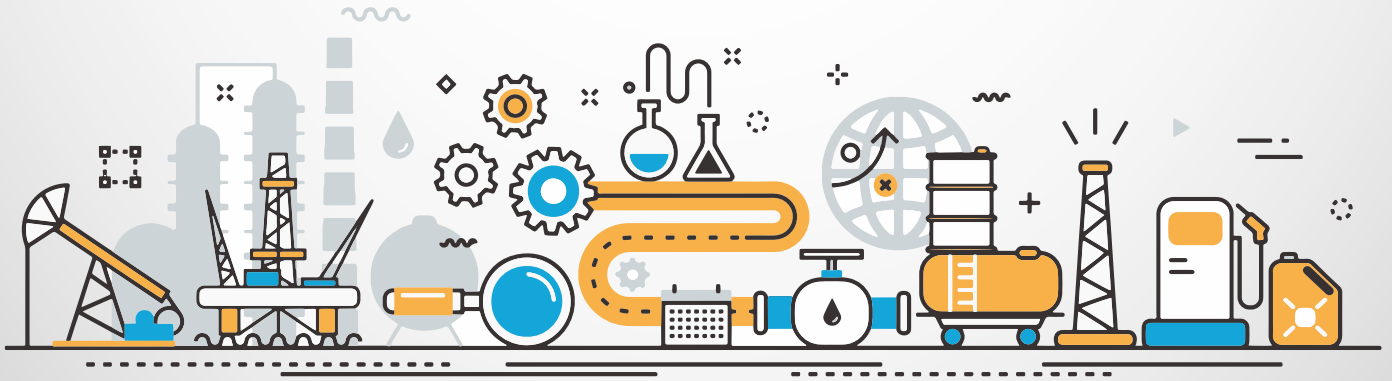


# OIL & GAS PROGRAM

Our Cable solutions to let the energy flow



Special Cables & Conductors

# Cable manufacturing for the Oil & Gas Industry

Oil & Gas industry presents new challenges every day. New fields of application, depending on the type of oil reserves like oil sands and heavy oil, need new extraction methods, furthermore, the new gas extraction techniques like the shale gas and oil require continuous improvement in terms of efficiency, cost saving and new technologies.

More than in the past, cables must resist to severe conditions like intense heat, extreme cold, mud, salty environments and UV exposure.

**Safety in these days is an essential value** and Oil & Gas industry needs reliable suppliers which can guarantee world class quality levels.



*Shale Gas Custom made Hybrid Cable*

*“With very high expertise and experience in special and hybrid cables for the Oil & Gas industry, FTC can provide the right solution to every type of challenge”*

# FTC for the Oil & Gas

Since we were born FTC decided to focus most of its production and efforts in the Oil & Gas Business applying the highly specialized technical skills developed in over 40 years to this field.

FTC has been one of the few company in the world creating specific products for Oil & Gas application.

FTC is still supplying some of the most important players in the O&G around the world and for any kind of application following the requests and helping with its high skilled technical office to design new products.



## BETTER TOGETHER

We are focused on the small to medium size projects for special cables. We work both through reliable international distributors to provide full packages and directly with EPCs and end users, in order to provide the right services to each different need.



## A CLEAR POLICY

FTC has a whole list of direct customers in the Oil & Gas market which we supply since years. A stable and continuous cooperation with main distributors will help to avoid useless competition fixing clear rules.

How we can help you for O&G specific projects:

- With **High quality Range** of control, signal and power cables
- With Highly **specialized engineering office**
- With cables suitable for **any kind of environment**
- With **custom made hybrid** cables if required
- With a **flexible and fast service**
- With a range of products **suitable and reliable for any kind of application**

# Services

## Engineering and customer support

### ***"We assist you"***

Specialized engineers and smart customer service are always available to give assistance both remotely and on site to solve any kind of technical issue.



Request Analysis



Project parameters  
analysis

### ***"At your side"***

We give our full commitment in all the projects with our partners from the beginning to the post sales. Nothing can be left to chance.



Choice of the right  
product or dedicated  
product design



Quotation

### ***"We are people"***

You will always find a person to assist you, no FAQ, no automatic response or App. Every kind of problem can be solved quickly and efficiently with a one-to-one approach.



Production



Delivery

### ***"Right now!"***

You don't have to wait... we answer immediately. Our offers are usually issued in 48 hours maximum according to the size.



Post sales Assistance

***"Call us partner, not Supplier"***



# Services

## Logistics, quality and documentation



### **Made to Order**

All our cables are made to order; nevertheless, with our flexibility we can guarantee deliveries from **2 to 8 weeks according to the quantities.**

### **Minimum quantities**

We usually support our partners with reduced MOQ

### **Guaranteed quality**

As special cable makers, quality is always at the first place in our factory. ISO standards are the base, but the perfect product is our mission.

### **Certifications**

We have a large range of products with the most important certifications although we can provide any certifications even for new products if required.

### **OTD**

With an OTD rate over 95% we are able to give a world class service.

*“Fast and Flexible!”*

# Market Approach

## Our Milestones

### Flat Approach

We have a flat organization which gives us flexibility. Every big project is followed directly by the management which is in constant contact with the customer in order to solve any issues in the shortest possible time.

### Strong Technical Department

A team of 5 engineers is always in contact with customers to give assistance on all the phases of the project, from the design of the product to the post sales activities, helping the Customer on the field whenever is needed.

### Top Class machineries

The best machineries available on the market, specially modified following our specifications to improve flexibility and the capability to produce any kind of new design.

### Quick answers and service

Fast answers on the offers and short delivery time have always been one of the main strengths of FTC.

### Feasibilities

The high technical approach to all the enquiries permit us to satisfy any kinds of request whether it is regarding a modification of a standard or a specific hybrid cable as per the customer request.

*“With our proven reliability and seriousness, we succeed!”*

# Range and Solutions

## A cable for any application

### Control, Signal, instrumentation Thermocouple and Data acquisition Cables

Cables for all the precision devices, controls and wherever a signal must be transmitted safely in hostile environment or to power up critical components.

Often designed in cooperation with the customer its needs, its needs, we can provide also cables according to most popular standards, including but not limited to:

EN50288-7  
IEC 60092-376

IEC 60502-1  
IEC 60227

BS7917  
PAS 5308

Suitable for mobile and fixed applications they can work in all environments like water, salty atmosphere, mud and extreme high as well as low temperatures. Hydrocarbon's oil resistance and anti termite and rodent protection made this series of cables suitable for all installation purposes



CU c15/MGT/EPR/IS-OS/LSZH/SWA/  
LSZH

#### *INSTRUMENTATION CABLE*

Fire barrier on conductors.  
EPR isolation - Screen on single pairs and on the total. Steel wire armor.  
LSZH sheaths. Guaine lszh.



CU c15/PVC 105°C/IS-OS/PVC 105°C

#### *INSTRUMENTATION CABLE*

Screen on the single pair and on the total.  
PVC insulation and sheath resistance up to peaks of 105 ° C.  
Blue sheath for intrinsically safe circuits.



-60°



+125°



Hydrocarb  
Resistance



Anti  
Termite



Chemicals  
Resistant



Flame  
retardant  
& fire resistant



Mud  
Resistant



UV  
Resistant



Fix  
Installation



Mobile  
Installation

*"Suitable for all the environments"*



# Range and Solutions

## A cable for any application

### Low Voltage Energy Cable

We can produce all types of low Voltage energy cable. Whether according to customer specification or to the most important standards.

IEC 60502-1  
BS5467/6724

BS 6883  
IEC 60092-353

BS 7846

All products can be produced according to the different environmental needs.



CUcI5/XLPE/FOIL+BRAID/  
PVC/SWA/PVC

*POWER CABLE FOR VFD  
INVERTER*

XLPE insulation - ribbon and braid shield, wire armor, PVC sheath - 3 symmetrical earth conductors.



CU cI5/EPR/LSZH/SWA/LSZH

*POWER CABLE*

Resistant to hydrocarbons, external sheath resistant to UV rays, the sliding tapes on the conductors facilitate installation.



CU cI5/HEPR/LSZH/STA/LSZH

*POWER CABLE*

Flame retardant - UV resistance  
- HEPR insulation - LSZH sheath and sheath.



-60°



+125°



Hydrocarb  
Resistance



Anti  
Termite



Chemicals  
Resistant



Flame  
retardant  
& fire resistant



Mud  
Resistant



UV  
Resistant



Fix  
Installation



Mobile  
Installation

*"Electricity transport made special"*



# Range and Solutions

## A cable for any application

### Hybrid Cables

Sometimes standard cables are not enough.

New extraction techniques require often revolutionary solutions. New materials, new designs and full assistance on site are some of the points where FTC can make the difference designing the future of the cables.

Whether is Shale Gas, Tar Sands or Offshore drilling sites, we always find the right solution.



**HYBRID CABLE FOR SHALE GAS.**  
Power cable, FTP, optical fiber, cooled. Designed in collaboration with the customer.



**COMPOSITE CABLE**  
Consisting of control and instrumentation cables and electronics cables. The instrumentation cables are shielded with red copper braid on the single pairs and on the total.



-60°



+125°



Hydrocarb  
Resistance



Anti  
Termite



Chemicals  
Resistant



Flame  
retardant  
& fire resistant



Mud  
Resistant



UV  
Resistant

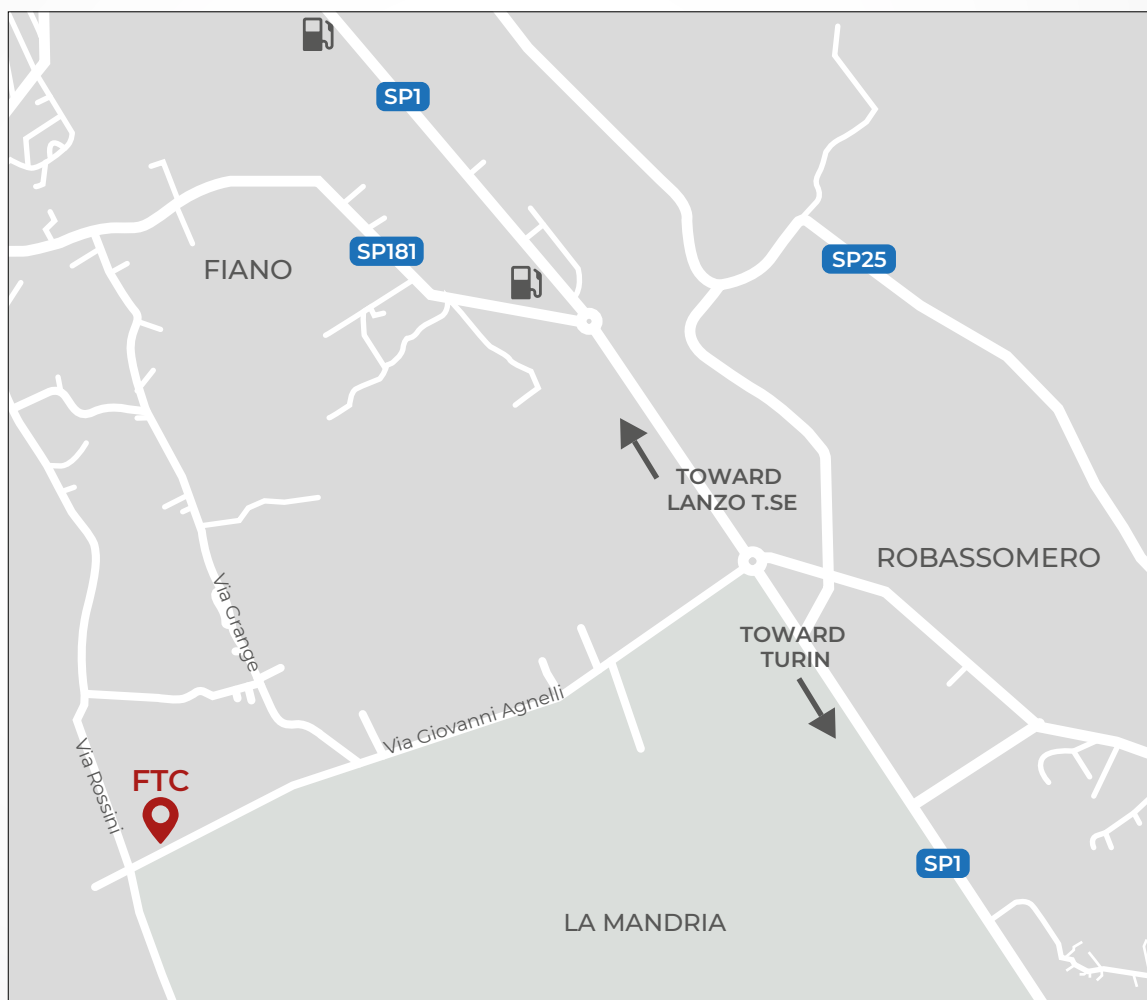


Fix  
Installation



Mobile  
Installation

*"Our Specialty"*



**Special Cables & Conductors**

Via Giovanni Agnelli 3,  
10070 Fiano (TO), Italy  
+39 011 926 92 40  
info@ftc-cavi.com

Sales office  
sales@ftc-cavi.com

Administration  
amministrazione@ftc-cavi.com

**WWW.FTC-CAVI.COM**