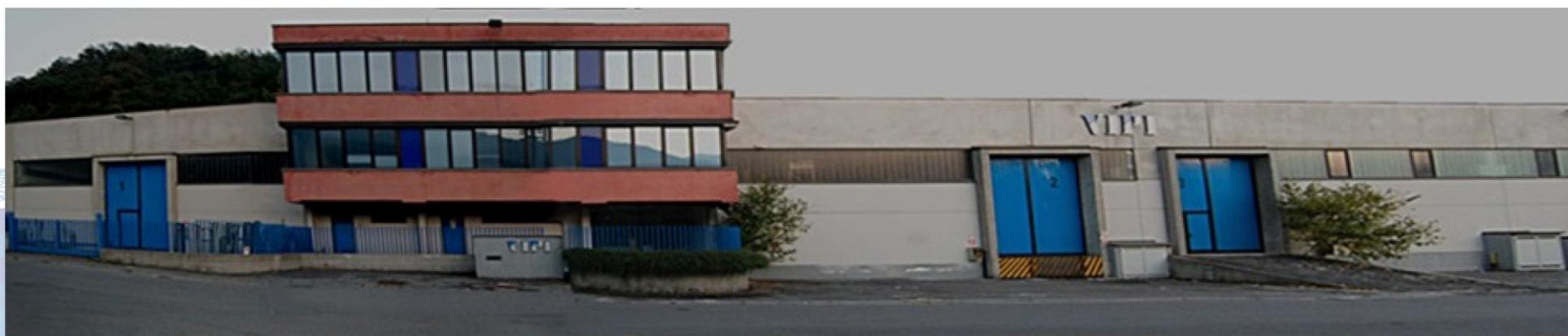




Lead sheathed cables



**45 years italian reliability
expertise and professionalism**



Lead sheathed COLD EXTRUDED CABLES

A lead sheath can be used as a chemical barrier in low, medium and instrumentation cables for all kinds of petrochemical projects.

The advantages of lead sheathed cables are:

- Protection against the entry of hydrocarbons.
- Protection against moisture ingress.
- Can be used as an earthing or grounding system
- Excellent corrosion resistance.

Our Industrial Project Business Unit supplies products in full compliance with our customers' technical specifications to meet applications whenever durability, quality and reliability are mandatory.

- Oil & Gas
- Offshore
- Onshore
- Chemical & Petrochemical
- Process industries
- Water treatment
- Power plant
- Iron & Steel
- Mining
- Ship building

We perform coating of lead on electric cables and optical fibers according to international standards. Processing is performed in cold so as to urge the least possible underlying product in terms of pressure and temperature allowing high mechanical characteristics of the coating and at the same time to use a method of processing the environmentally friendly as possible. The working diameter ranging from 4 to 100 mm. This type of cables are used for example in the petrochemical and rail both for the transmission of signals both for the transmission of power, The product can be supplied on reels up to 10000 kg. All of the alloys used are certified composition and quality guaranteed





Lead sheathed INSTRUMENTATION CABLES

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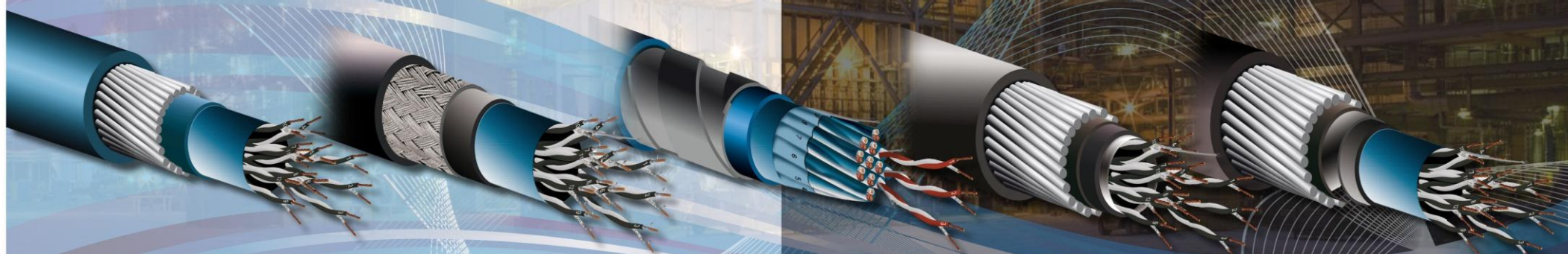
Instrumentation Cable are single or multi-pair/triple cables designed to carry signals. They are used for connecting instruments and electrical equipment especially in plants where process control is required, where transducer-generated signals are transmitted through to panels, controllers and other devices.

Twisting of the pairs reduces the amount of electromagnetic interference (EMI) from external sources or cross talk between neighboring pairs.

The construction with individually shielded pair is typically used for analog signals and the construction with total shield only is used for digital signals.

Typical applications are in the process industry: Oil & Gas, Chemical and Petrochemical, Water treatment, Mining and more generally in any plant where a process automation is implemented.

Here below different constructions of instrumentation cables





Lead sheathed CONTROL CABLES

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Control cable is a multi-conductor cable made for operation in control circuit, like for example controlling of valves or engines.

It is generally used to carry out on/off controlling signals like for example start/stop command. The nature of the type of the signal (on/off) do not require special precaution in terms of shielding and twisting of pairs, in fact the assembling of cores have a simple multi-core structure.

Here below different constructions of control cables





Lead sheathed POWER CABLES

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The advantages of lead sheathed cables are:

- Protection against the entry of hydrocarbons.
- Protection against moisture ingress.
- Can be used as an earthing or grounding system
- Excellent corrosion resistance.

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A power cable is used for transmission of electrical power. They are typically composed up to five conductors for the following purposes:

3 cores for each phase (R, S, T)

1 core for neutral (N)

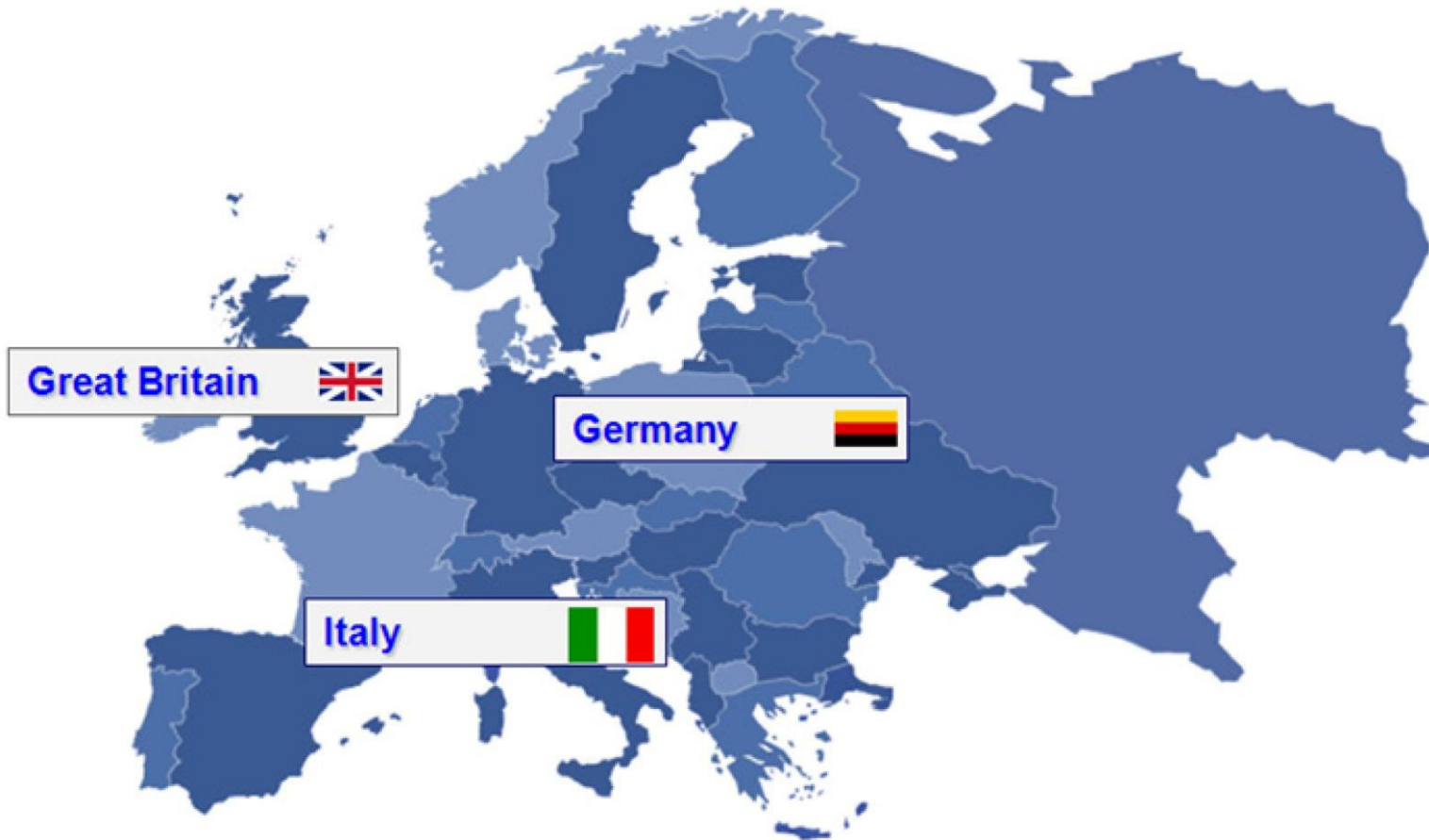
1 core for protection earth (PE)

Here below different constructions of power cables





Vipi Production Sites



Vipi Export countries

