



# GAS-BLOCK™ ATEX Cable

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## What are Gas-Block™ ATEX cables?

Gas-Block™ cables are designed for use in Industrial OEM application supporting your needs for EU directive 94/9/EC (ATEX 95) (commonly referred to as ATEX “ATmosphères EXplosibles”). Learn more: [Five Reasons to Use Gas-Block Cables in Power Generation Applications.](#)

## Who is TE Wire & Cable?

For over 70 years, TE Wire & Cable has been providing a wide selection of high quality specialty, industrial thermocouple and instrumentation cable solutions that are designed for critical applications in:

- Power Generation
- Petrochemical Plants
- Oil and Gas
- Industrial Plants

TE Wire & Cable has launched the Gas-Block product line to be the cost effective, time saving cabling solution as a part of a full ATEX system. To date, Gas-Block has been installed in a wide range of ATEX applications and proven in the lab and in field installations.



## Is Gas-Block™ ATEX Cable for your application and how does it differ?

To prevent the transfer of hazardous gases or liquids through conductor strands, cable interstices, and associated cable glands, IEC 60079-14 specifies that cables interstitial spaces be filled with non-hygroscopic fillers. TE Wire & Cable has developed a technology and process (patent pending) to build various configurations of cables that meet these stringent requirements for critical ATEX application in oil and gas, power generation and other industrial plant installations. A flexible inert synthetic compound is used to fill the entire cable interstitial spaces.

Independent third party testing has shown full compliance to IEC and UL requirements with cable meeting leak testing per IEC 60079-14 (435 psi test). TE Wire & Cable Gas-Block ATEX Cables built per requirement of IEC 60079-14 shall be tested for oil leakage under a hydraulic pressure of 3000 kPa (435 psi). The cable meets the requirements if no visible oil leakage is detected after 10 seconds of exposure to the hydraulic pressure. The device used to apply hydraulic pressure shall be capable of maintaining the specified pressure during the duration of the test.

For assistance in specifying multi-pair cables for your unique application, or to place an order, contact your sales representative, or call TE Wire & Cable directly, 888-4TE-WIRE, international, call 201-845-9400.



**Specialty Wire & Cable**  
A Berkshire Hathaway Company

*The most trusted name in  
thermocouple wire since 1941*

**888-4TE-WIRE (888-483-9473)**  
**International: 201-845-9400**

**www.tewire.com**  
**sales@teewire.com**



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One major benefit of Gas-Block technology is the elimination of compound sealed barrier cable glands. Gas-Block cable becomes a single time saving solution when used with flame proof cable gland with an elastomeric sealing ring. We challenge you to try our cable and see how it saves you time during your next installation.

In Accordance with Directive 2006/95/EC – The Low Voltage Directive – all type of cables manufactured with Gas-Block technology by TE Wire & Cable conform to the applicable requirements of the following documents:

### **Ref No.**

- IEC 60079-14 (435 psi test)
- IEC 60332-1
- EN 60204-1 (voltage test)
- IEC 61034
- UL 1277 type TC-ER (exception 6 AWG and 8 AWG)
- EU Directive 2011/65/EC
- REACH

## **Product Specifications**

**Conductors:** Solid or stranded, bare or plated copper 6 AWG to 18 AWG (4.11 to 1.2MM)

**Insulation and Jacket:** Temperature rating up to 200°C (392°F)

**Color Code:** Per customer request (standard color is Black and numbered on singles with Black Jacket)

**Construction:** Gas blocking properties as applicable to your operating conditions

**Outer Protection Option:** Braided stainless steel

Given the wide range of ATEX demands and environments, every requirement is different. Our team will be happy to evaluate your needs to find a solution. Contact one of our friendly, knowledgeable sales professionals today.

TE Wire & Cable is an ISO 9001:2008 certified company. Many TE Wire & Cable products are certified to conform to national and international standards, including – ANSI MC96.1; ASTM E230; Boeing BAC562I; GE ST2155; AMS 2750D; NIST; MIL STD 45662A; MIL STD 105 and many others. TE Wire & Cable and CEFIR are registered trademarks of TE Wire & Cable LLC. Refrasil is a registered trademark of Hitco Carbon Composites, Inc.



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