

Cable Glands for Hazardous Areas | Cabex India

Engineered solutions for explosive atmosphere protection across critical industries



Why Cable Glands Matter in Hazardous Areas



Hazardous areas contain flammable gases, vapours, or combustible dust that pose significant ignition risks. In these environments, even the smallest spark can trigger catastrophic explosions.

Cable glands serve as critical barriers, ensuring safe cable entry into electrical enclosures whilst preventing sparks and maintaining complete enclosure integrity.

These components are absolutely essential across high-risk industries including oil & gas exploration, petrochemical processing, pharmaceutical manufacturing, mining operations, and power generation facilities.

- ❑ **Regulatory Compliance:** All installations must meet ATEX, IECEx, and IS/IEC international standards to ensure workplace safety and legal compliance.

Key Features of Hazardous Area Cable Glands



Superior Materials

Manufactured from brass, stainless steel (304/316/316L), with optional nickel plating for exceptional corrosion resistance in harsh chemical environments.



Maximum Protection

IP66/IP67 ingress protection ratings ensure complete dust-tight and waterproof sealing, safeguarding against environmental contamination.



Precision Design

Double compression seals provide robust mechanical retention whilst maintaining critical electrical continuity and earthing paths.



Versatile Threading

Available in metric and NPT thread types to accommodate diverse equipment specifications and installation requirements.

Complete Accessory Range: Earthing tags, locknuts, and sealing washers enhance safety compliance and installation reliability.

Certifications & Standards Ensuring Safety



IEC 60079 Series

International standards governing design, construction, and rigorous testing protocols for equipment in explosive atmospheres.



IECEx & ATEX

Globally recognised certifications guaranteeing international compliance, product reliability, and market acceptance worldwide.



British Standards

Conformance to BS EN 62444, IEC 62444, and BS 6121:Part 1:1989 for proven quality assurance.

Hazardous Zone Coverage

Gas Atmospheres:

- Zone 1: Areas where explosive gas atmospheres are likely to occur during normal operations
- Zone 2: Areas where explosive gas atmospheres are not likely to occur or only for short periods

Dust Atmospheres:

- Zone 21: Areas where combustible dust clouds may occasionally occur
- Zone 22: Areas where combustible dust clouds are unlikely but possible

Why Choose Cabex India for Hazardous Area Cable Glands?

Extensive Product Range

Comprehensive selection of industrial cable glands specifically engineered and tested for hazardous environment applications.

Proven Durability

Premium materials combined with rigorous quality testing ensure exceptional longevity and reliable performance in extreme conditions.

Complete Solutions

Full range of accessories and thread options enabling seamless integration with existing equipment and infrastructure.

Industry Trust

Preferred supplier across Indian industries for secure, compliant, and long-lasting cable termination solutions.



Partner with Expertise

Contact Cabex India today for expert guidance and tailored solutions that prioritise safety, regulatory compliance, and operational efficiency.

Our commitment: Delivering world-class cable gland solutions that protect lives, assets, and your operational continuity.