

Communication Systems in Hazardous Locations

In a hazardous location even the smallest electrical arc, under the right circumstances, is a potential explosion. The National Electrical Code (NEC) requires that deliberate safety precautions be taken when using electrical devices in classified areas. Explosion proof multi-pin control connectors are a convenient way to safely use mobile communication equipment in hazardous installations.

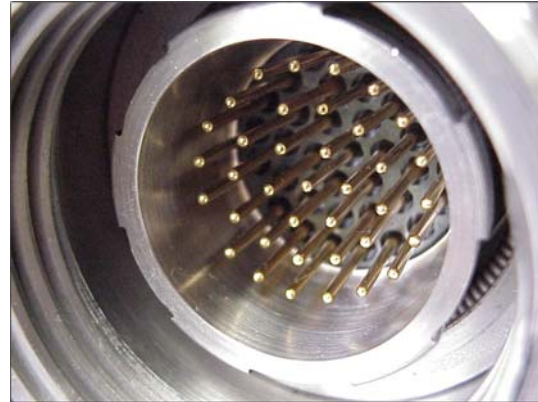
Low current carrying communication devices are often essential to protection systems of hazardous areas classified by Article 501 of the NEC. Many industrial processes and applications use explosion proof communication equipment to ensure safekeeping of personnel and equipment. Signaling circuits and motor control wires provide real time responsiveness and ensure complete reliability.



Explosion Proof Equipment for Hazardous Locations

From private branch exchange (PBX) phones connected to loudspeaker systems on an offshore drilling platform, to a laptop with Cat5 Ethernet connection on an aircraft hangar floor, to hydrogen gas detection modules with alarm units, secure and reliable communication circuits are a safety imperative.

As communication networks relay data, it is vital that they are not the cause of an ignition. Even a low-voltage, milliamp circuit can cause an arc capable of igniting an atmosphere filled with hazardous gases, dusts or fibers.



Multi-Pin Control Connector from Vantage

For industries that operate in hazardous areas, equipment mobility is crucial. Severe applications and environments demand explosion proof equipment flexibility. Static, hard-wired installations are a thing of the past. Engineers and end-users require rugged yet convenient solutions.

A safe and convenient way to quickly connect explosion proof equipment and communication circuits in a hazardous area is through explosion proof electrical connectors. **Vantage** offers Class I and II, Division 1 and 2 certified control connectors with up to 100 contacts. Rated for service through 250 volts AC, these connectors accept a range of signal wire sizes. Visit www.VantageXP.com for more information.



Vantage connectors carry more third party product certifications than any manufacturer. Our proven history of service, safety, and reliability make us the premier manufacturer of connectors for hazardous locations and extreme environments.