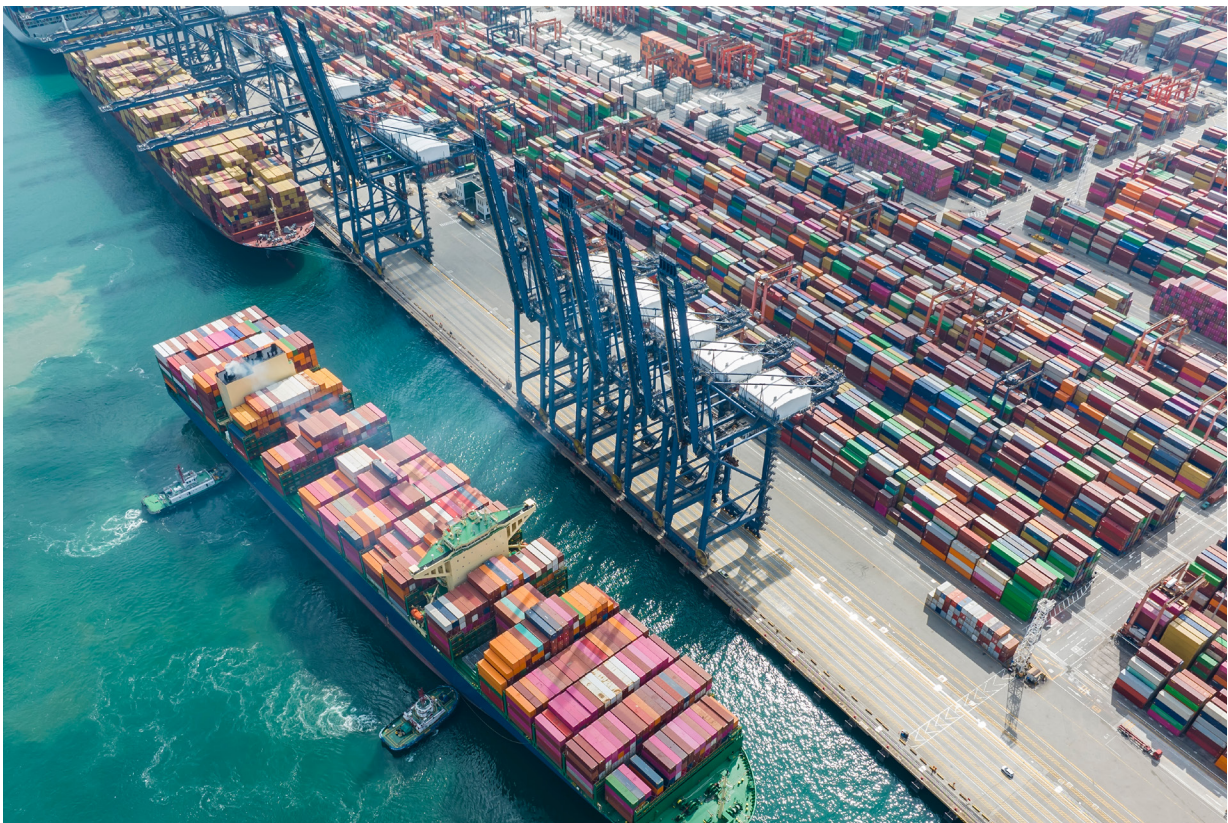


Why Choose
LOW SMOKE, ZERO HALOGEN
CABLES
For Condition Monitoring In
Marine Applications



WHEN RELIABILITY MATTERS
CONNECT TO CONFIDENCE

In marine environments from offshore oil rigs to cargo ships, safety, reliability, and compliance are non-negotiable. These vessels rely heavily on condition monitoring systems to ensure operational integrity and prevent costly failures.

Marine condition monitoring applications include:

- ▶ Motors or pumps
- ▶ Gearboxes and drive systems
- ▶ Compressors
- ▶ Propulsion systems
- ▶ HVAC units
- ▶ Generators and auxiliary equipment

These systems often operate in enclosed or hazardous areas where fire safety and signal reliability are paramount. That's why not just any cabling will do - marine environments demand products that align with strict safety and performance expectations.

While specific standards vary by vessel type and classification society, most marine operators require cabling that meets low smoke, zero halogen criteria.

CTC's **CB124 cable** is engineered with these principles in mind, making it a popular choice for oil rigs and industrial ships engaged in demanding processes.



Low Smoke Zero Halogen Explained

Low Smoke Zero Halogen (LSZH) cabling refers to a type of cable jacket material designed to enhance safety in environments where fire risk and air quality are critical, like marine vessels, oil rigs, and industrial ships.

What does it mean in practical terms?

Low Smoke:

- ▶ When exposed to fire, LSZH cables produce minimal smoke
- ▶ This is crucial in enclosed spaces (like engine rooms or control centers) where thick smoke can obscure visibility and hinder evacuation
- ▶ Reduced smoke also helps protect sensitive equipment from contamination

Zero Halogen:

Traditional cable jackets may contain halogen compounds (like chlorine or fluorine) that release toxic and corrosive gases that can:

- ▶ Harm personnel
- ▶ Damage electronics and metal surfaces

CTC's CB124: A Trusted Solution For Harsh Marine Conditions

CTC's CB124 cable is a standout in the LSZH category, designed specifically for rugged industrial and marine environments.



CB124

*Two-conductor, low smoke zero halogen cable,
twisted, shielded pair cable, brown LSZH jacket,
0.25 in. (6.4 mm) OD, 221 °F (105 °C)
maximum temperature, also available in
cost-effective 1,000 ft. reels*

It's widely used on:

- ▶ Offshore oil rigs
- ▶ Drilling ships
- ▶ FPSOs (Floating Production Storage & Offloading Units)
- ▶ Chemical tankers
- ▶ Industrial cargo vessels
- ▶ Marine research platforms
- ▶ Naval support ships
- ▶ And more