



Industrial Hoses for Rail Requirements

Reliable, Safe, and Customized Solutions
for Global Rail Transport

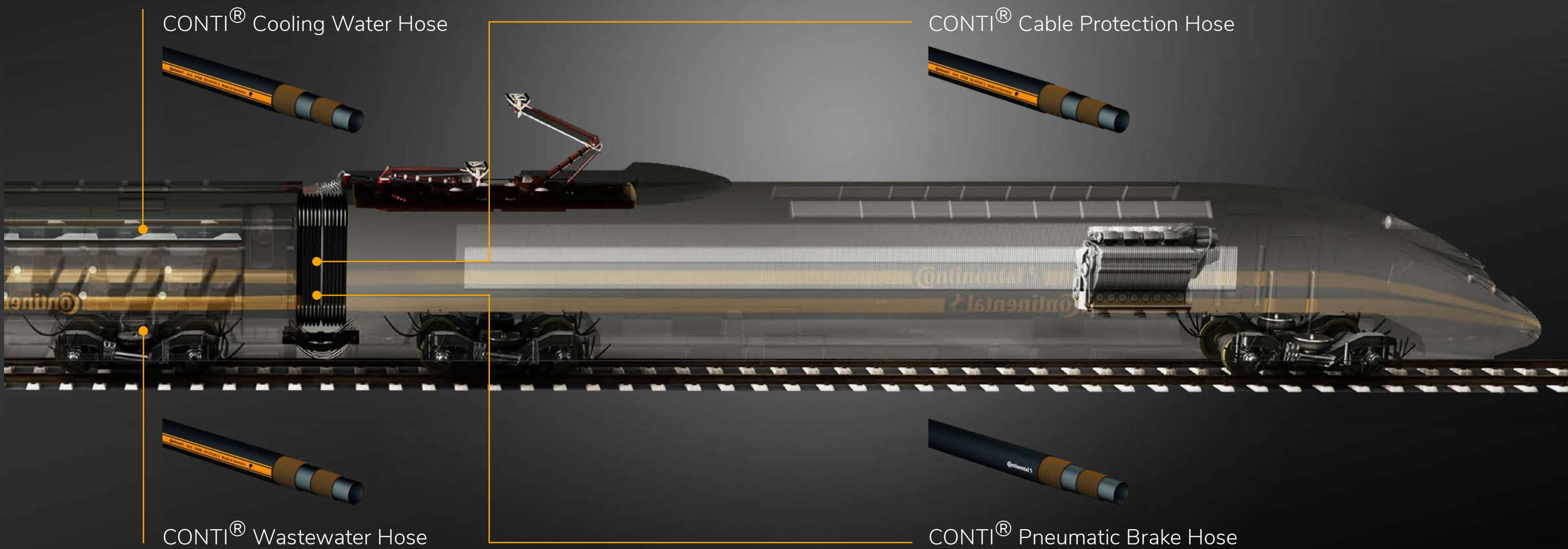
From Protection to Cooling

Highly Flexible Rail Hoses for a Wide Range of Applications

Continental offers a comprehensive range of high-performance rail hoses designed to meet the diverse needs of the global rail industry. These products are crafted from advanced rubber compounds, are rigorously tested, offer impressive levels of flexibility, and are extremely easy to handle.

Benefits:

- › **Tailored solutions:** Customized hoses for specific railway applications
- › **High safety standards:** Compliant with stringent international regulations
- › **Proven reliability:** Durable, high-quality materials ensure long-lasting performance
- › **Expertise:** Over 100 years of experience in elastomer and plastics technology



Electrical Safety: CONTI® Cable Protection Hose

The CONTI® Cable Protection Hose is expertly designed to safeguard electrical cables installed in carriages and locomotives. Engineered for flexibility and durability, this hose provides robust protection in challenging rail environments. Its high-quality construction ensures resistance to abrasion, ozone, weather, and UV rays, while also offering electrical insulation. Compliant with stringent fire and smoke gas toxicity standards, the CONTI® Cable Protection Hose is a trusted choice for the railway industry.

Characteristics:

- › Noise and vibration dampening: enhancing passenger comfort
- › Long-lasting and flexible: robust, maintaining flexibility throughout its service life
- › Customization: different pressure stages and available with or without helix

Standard:

Meets the requirements for fire and smoke gas toxicity according to DIN EN 45545-2 - HL3 for requirement sets R22 and R23.

Temperature range:

- › Standard operation: -40° C to +95° C
- › Short-term resistance: up to +125° C

Working pressure up to 6 bar/87 psi

Reinforcements:

- › Synthetic fibers
- › Enhances durability and adds strength

Electrical insulation:

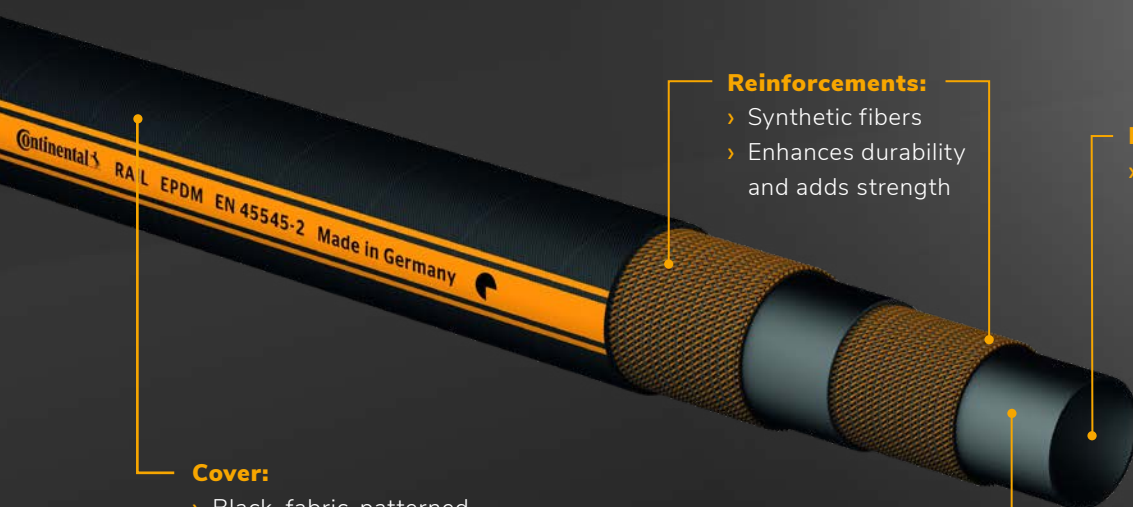
- › Provides electrical insulation with a resistance $R > 10^{11} \Omega/m$ ensuring safety around electrical components

Cover:

- › Black, fabric-patterned
- › Resistant to abrasion, ozone, weather, and UV rays

Inner lining:

- › Black, non-porous, and smooth
- › Ensures optimal cable protection



Reliable Solutions for Railway Sewage: CONTI® Wastewater Hose

The CONTI® Wastewater Hose is engineered to handle the demanding needs of railway sewage and wastewater conveyance. Built for flexibility and durability, this hose is ideal for use in railroad cars and other railway applications. With its robust design, the hose offers different pressure stages and additional versions with integrated steel wire helixes, making it suitable for both standard and vacuum applications.

Characteristics:

- › High flexibility: suitable for small bending radiuses and ease of installation
- › Suction capability: versions with integrated steel wire helix are vacuum-tight, ideal for suction operation

Standard:

Meets the requirements for fire and smoke gas toxicity according to DIN EN 45545-2 - HL3 for requirement sets R22 and R23.

Temperature range:

- › Standard operation: -40° C to +95° C
- › Short-term resistance: up to +125° C

Working pressure up to 12 bar/174 psi

Reinforcements:

- › Synthetic fibers
- › Enhances durability and load-bearing capacity of the hose

Flow medium:

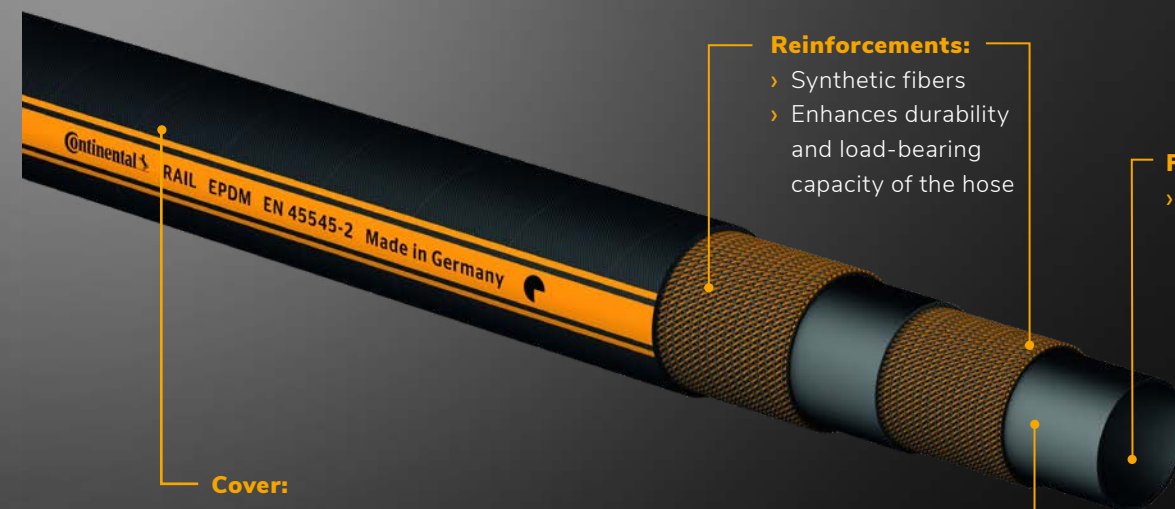
- › Condensation, excrements, sewage

Cover:

- › Black, fabric-patterned
- › Resistant to abrasion, excrement, ozone, weather, and UV rays

Inner lining:

- › Black, non-porous, and smooth
- › Ensures safe conveyance of sewage, condensation, and wastewater



Connecting Rail Carriages: CONTI[®] Pneumatic Brake Hose

The CONTI[®] Pneumatic Brake Hose is essential for connecting compressed air lines between railway wagons. It is engineered to meet the highest standards in the railway industry, ensuring reliable and safe operation between railway carriages. It meets the stringent fire and smoke gas toxicity requirements of the standards EN 15807 and EN45545-2.

Characteristics:

- › Easy installation and reliable performance
- › Built for tough railway conditions
- › Customization: different pressure stages, and optionally available with chamfered ends

Standard:

Meets the requirements for fire and smoke gas toxicity according to DIN EN 45545-2 - HL3 for requirement sets R22 and R23.

Temperature range:

- › Standard operation: -40° C to +70° C

Working Pressure up to 10 bar/145 psi



For Cooling and Heating Systems: CONTI[®] Cooling Water Hose

The CONTI[®] Cooling Water Hose is expertly designed for use in air-conditioning, heating systems, and drainage applications in rail vehicles. It is resistant to coolant, commonly used antifreeze, and corrosion protection additives.

Characteristics:

- › Versatile: ideal for cooling, heating, and drainage in rail systems
- › Flexible, robust, and long-lasting
- › Customization: different pressure stages, available with or without helix

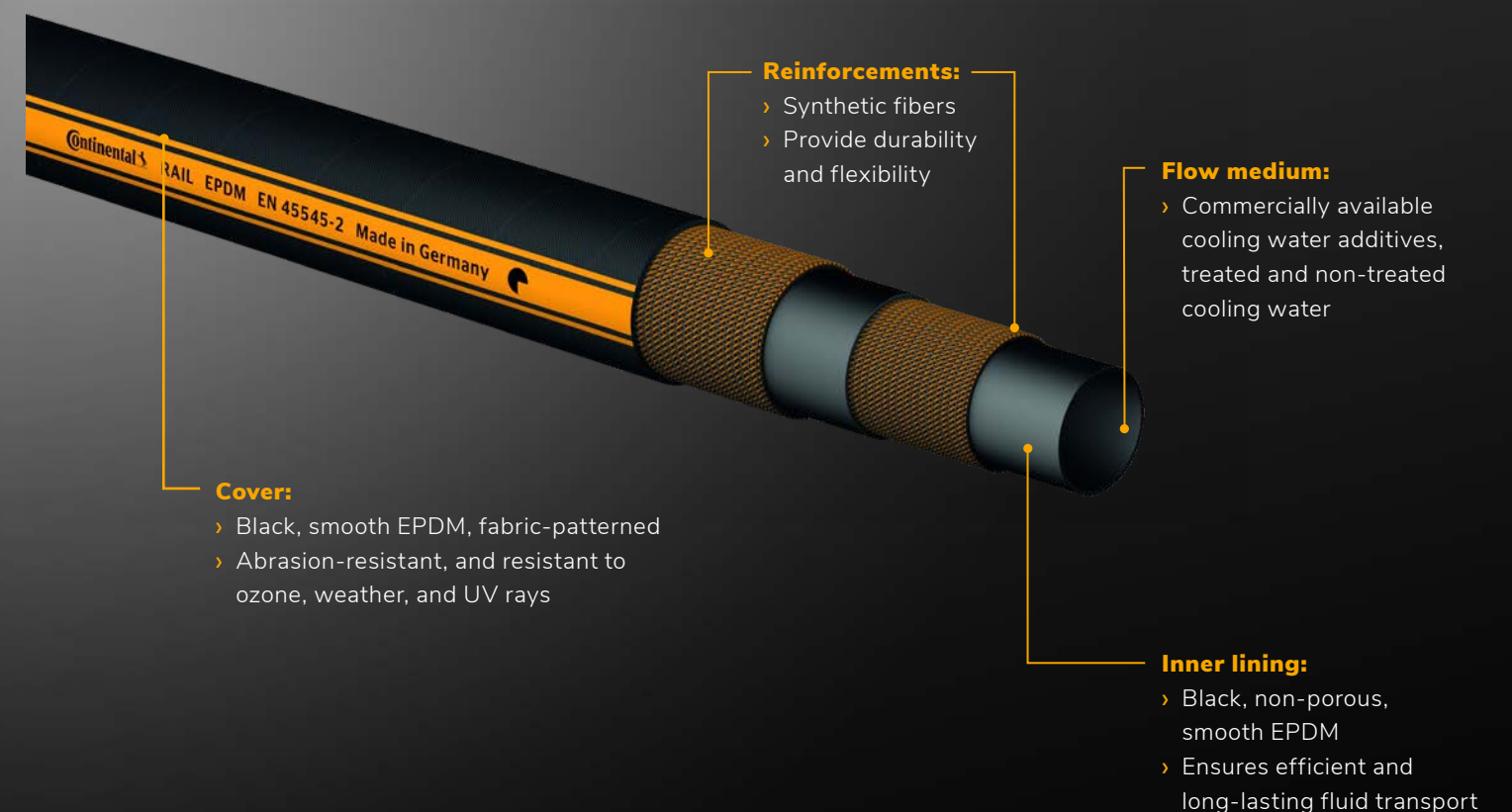
Standard:

Meets the requirements for fire and smoke gas toxicity according to DIN EN 45545-2 - HL3 for requirement sets R22 and R23.

Temperature range:

- › Standard operation: -40° C to +95° C
- › Short-term resistance: up to +125° C

Working pressure up to 16 bar/232 psi



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