



Proper Grounding of Corrugated Stainless Steel Tubing

Corrugated Stainless Steel Tubing (CSST) is a flexible, stainless steel pipe used to supply natural gas and propane in residential, commercial, and industrial structures. CSST is often coated with either a yellow or black exterior plastic coating. CSST should not be confused with flexible gas appliance connectors – the product that joins a moveable appliance to your home or building’s gas supply line.

CSST provides greater durability. Also, along with reducing the number of fittings that need to be checked for leaks, a CSST gas piping system has less joints, and therefore less potential leak paths.

CSST was introduced in the United States in the 1990s. Since then, approximately one billion feet of CSST has been installed.

Like all approved gas piping systems, CSST is safe when properly installed. CSST must be installed, bonded, and properly grounded by a qualified professional and in accordance with the manufacturer’s design and installation guide.

If not grounded properly, a nearby lightning strike that does not strike a structure directly can cause systems in the structure to become electrically energized. This power surge can potentially puncture a hole in CSST and cause a fire.

If you have CSST in your home or business, you should consult with a licensed electrician to see if the fuel gas piping system is correctly bonded and grounded pursuant to NFPA 54 Natural Fuel Gas Code. Section 7.3.12 specifies the CSST bonding requirement.