ICC-ES PMG Product Certificate

PMG-1058

Effective Date: February 2023

This listing is subject to re-examination in one year.

CSI: DIVISION: 23 00 00—HEATING, VENTILATING, AND AIR-CONDITIONING
Section: 23 11 00—Facility Fuel Piping

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: TracPipe® CounterStrike® Conductive Jacketed Corrugated Stainless-Steel Tubing

Listee: OmegaFlex® Inc.
451 Creamery Way
Exton, Pennsylvania 19341-2509
www.omegaflex.com

Compliance with the following codes:

2021, 2018, 2015, 2012, 2009 and 2006 *International Fuel Gas Code*® (IFGC)
2021, 2018, 2015, 2012, 2009 and 2006 *International Mechanical Code*® (IMC)
2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
2021, 2018, 2015, 2012, 2009 and 2006 *Uniform Plumbing Code*® (UPC)*
2021, 2018, 2015, 2012, 2009 and 2006 *Uniform Mechanical Code*® (UMC)*

**Uniform Mechanical Code and Uniform Plumbing Code are copyrighted publications of the International Association of Plumbing and Mechanical Officials*

Compliance with the following standards:

ANSI LC 1/CSA 6.26-2023, Fuel Gas Piping Systems Using Corrugated Stainless-Steel Tubing (CSST)
NFPA 54-2021, National Fuel Gas Code
CSA B149.1-2020, National Gas and Propane Installation Code
ICC-ES LC1024-2010 (Revised July 2016), PMG Listing Criteria for Corrugated Stainless-Steel Tubing Utilizing a Protective Jacket

Identification:

Tubing: Each 2 feet (610 mm) of tube bears the trade names TracPipe® CounterStrike®, part number, rated pressure [25 psi (172 kPa)], equivalent hydraulic diameter (EHD), the words "Fuel Gas", the words "Arc-resistant" or acronym "AR", the "ANSI LC1•CSA 6.26", and the ICC-ES PMG listing mark.

Components**:** Fittings, termination outlets and distribution manifolds are stamped with the OmegaFlex® logo, the part number and a date stamp.

Installation:

General: Installation must be in accordance with the TracPipe® Flexible Gas Piping Guide and Installation Instructions, IFGC Section 404, IRC Section 2415, UMC Section 1309 and UPC Section 1211, as applicable. The system installation consists of CSST distribution lines installed between the point of delivery and fuel gas appliances. The use and system installation must be in accordance with ICC-ES PMG-1046.

Plenum Installation: When tested in accordance with ASTM E 84, TracPipe® CounterStrike® satisfies the plenum installation requirement, with a flame spread index of less than 25 and a smoke developed index of less than 50.

Electrical Bonding: The TracPipe® CounterStrike® Conductive Jacketed Corrugated Stainless SteelTubing (CSST) System is electrically continuous and is considered to be bonded where it is connected to appliances that are connected to the equipment grounding conductor of the circuit supplying that appliance. Additional bonding prescribed by IFGC Section 310.1.1 is not required for TracPipe® CounterStrike® Conductive Jacketed Corrugated Stainless-Steel Tubing when it is installed in accordance with this listing.

Models:

The TracPipe® CounterStrike® Conductive Jacketed CSST System consists of three parts: (1) a black conductive exterior jacket; (2) corrugated stainless steel tubing which is recognized in PMG-1046 as conforming to ANSI LC-1; and (3) mechanical fittings designed for use only with the OmegaFlex® Inc. CSSTs. Mechanical fittings utilize a metal-to-metal seal, and include mechanical fittings, distribution manifolds, shutoff valves, termination outlet devices, pressure regulators and protection devices.

Conditions of Listing:

1. TracPipe® CounterStrike® has been tested (in accordance with LC1024) and shown to resist a transient arc of 1000 amps minimum peak delivering 4.5 coulombs within 20 milliseconds (0.020 seconds*).* Assumed energy associated with a transient arc from lightning inside a building is less than 2.0 coulombs, providing a factor of safety of 2.25 for CounterStrike. Evaluation of this product for an arc exceeding this level or a direct strike from lightning is outside the scope of this listing.
2. The CSST piping system must not be used as a grounding electrode for an electrical system.
3. Additional information and requirements are defined in ICC-ES PMG-1046.
4. The TracPipe® CounterStrike® is manufactured by OmegaFlex® Inc. in Exton, Pennsylvania, under a quality control program with bi-annual surveillance inspections by ICC-ES.

TABLE 1—PART NUMBERS FOR TRACPIPE COUNTERSTRIKE TUBING

TUBING SIZE (inches)	PART NUMBER
3/8	FGP-CS-375-XXX
1/2	FGP-CS-500-XXX
3/4	FGP-CS-750-XXX
1	FGP-CS-100-XXX
1 1/4	FGP-CS-125-XXX
1 1/2	FGP-CS-150-XXX
2	FGP-CS-200-XXX

For **SI:** 1 inch = 25.4 mm.

XXX: Length of tubing in feet.